

	Language Skills	Spelling	Reading
Monday (	Have your child write a review about a fiction book that he/she read recently. <i>See</i> Language Skills, Week 28, number 1.	Prefest your child on the following words: authorize hypnotize pasteurize burglarize idolize patronize capsize immunize plagiarize characterize memorize recognize emphasize modernize summarize harmonize organize terrorize Have your child correct the prefest. Add personalized words and make two copies of this week's study list.	Introduce this week's reading selection.
Tuesday	Writing a Narrative: Teach your child the elements of a narrative. See Language Skills, Week 28, number 2. Have your child write a narrative about a personal experience that was enjoyable, funny, frightening or unusual.	Review this week's spelling words. Have your child complete <b>Organize or Capsize</b> (p. 282).	Comprehension: Discuss the current reading book in a conference. Focus on reading comprehension. Ask pointed questions to test your child's understanding of the text.
Wednesday	Discuss perspective. Perspective is the point of view from which a story is told. Review the meaning of first, second and third person.  Have your child rewrite the narrative from yesterday in the third person.	Have your child use each of this week's spelling words correctly in a sentence.	With your child, discuss the need to draw conclusions from a text while reading. Give your child a list of facts and conclusions. Have him/her determine which conclusion is correct. See Reading, Week 28, numbers 1–3 for examples.
Thursday	Newspaper articles are very often narratives. Discuss the 5 W's of a news article. Provide your child with a list of facts and ask him/her to write a news article about them. See Language Skills, Week 28, number 3. Have your child use his/her imagination to fill in details for the facts provided. Have your child write a narrative about the event in the third person.	Have your child study this week's spelling words.	Stress the importance of reading carefully so as not to misinterpret information.  Have your child complete <b>Timely Words</b> (p. 283).
(Friday	Show your child a picture that tells a story. Have your child write four paragraphs about the picture: one descriptive, one persuasive, one narrative and one expository.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a conference to discuss the current reading book.

Math	Science	Social Studies
Percents Discuss practical applications of percentages. To find the percentage of a given number, convert the percentage back to a decimal and multiply by the given number.  Example: Find 20% of 45.  45 x .20 = 9.00  20% of 45 is 9  Have your child complete Percentages	Ecology With your child, discuss the meaning of the term ecology. See Science, Week 28. Ecology is the study of the interrelationships of organisms and the environment. Have your child define environment. Have your child complete Enlightening Information (p. 285).	Western Hemisphere Study the regions of North America. See Social Studies, Week 28, number 1. Give your child a copy of North and Central America (p. 286). Have him/her color-code the political regions of North and Central America and create a key.
(p. 284).  Teach your child about savings accounts and earning interest. If your child doesn't have a savings account at a bank, help him/her open one.  Write several situational problems related to interest for your child to solve. See Math, Week 28 for sample problems.	Have your child write a description of his/her environment. Since your child may be a part of more than one environment, ask him/her to choose the environment in which he/she spends the most time. What are the <i>biotic</i> and <i>abiotic factors</i> in your child's environment?	With your child, study a physical map of North America. Ask him/her questions about North America's location, size, regions and land formations. Have your child name lines of latitude and longitude; locate rivers, mountains and oceans; name borders and other features. Give your child a second copy of North and Central America (p. 286). Have him/her label at least ten physical features on the map.
Take your child to a store where they are offering 25% or 30% discounts off original prices. Have your child calculate the sale prices of a variety of items. To find the sale price, have your child calculate the discount (e.g., 25% of $$32$ is $$8$ ), then subtract the discount from the original price (e.g., $$32 - $8 = $24$ ).	Have your child make a glossary of ecology-related terms in his/her Science Log. See Science, Week 28, number 1.	Have your child study the political regions of South America. See Social Studies, Week 28, number 2. Give your child a copy of South America (p. 287). Have him/her color-code the political regions of South America and create a key.
Your child has already learned how to calculate the percentage of a number. Now, challenge him/her to figure out what percentage one number is to another.  Example: 5 is% of 25 (20%)  Give your child several problems like this one to solve.	Soil: Introduce your child to the study of soil, one of the earth's most important land resources. Collect samples of clay, loam, sand and humus. Ask your child to observe each soil sample with a magnifying glass and look for color, smell, texture and components of the soils. Soils may be mixtures of many materials, both inorganic and organic. See Science, Week 28, number 2.	With your child, study a physical map of South America. Ask him/her questions about South America's location, size, regions and land formations. Have your child name lines of latitude and longitude; locate rivers, mountains and oceans; name borders and other features. Give your child a second copy of <b>South America</b> (p. 287). Have your child label at least ten physical features on the map.
Teach your child to estimate percentages. This has its most practical applications when estimating sales tax or the appropriate amount to tip. Think in terms of 10% when estimating. Finding 10% is easy—simply move the decimal point to the left one place. Estimate other percentages by thinking about how they relate to 10%. For example, 10% of \$15.29 is about \$1.50, so 20% would be about \$3.00.	Help your child compose a letter to a state or local soil conservation service, requesting information about the soils of your state or area.	Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.



#### LANGUAGE SKILLS (Writing a Narrative)

- Show your child examples of book reviews from newspapers or magazines. Most book reviews include a summary of the plot (characters, setting, problem), as well as opinions and recommendations. The reviewer points out what is most interesting or least enjoyable about a book. The reviewer may try to persuade others to read (or not to read) the book.
- A narrative tells about an event or experience. The narrative gives usually covers details in the order in which they occurred.
- Provide your child with facts about a news event (real or imagined). Here is a list of facts related to one event. Use these facts or make up your own.

Who: Mr. Dakota Rainier

What: killed a fly with his garlic breath

Where: Gilroy, California

When: on Labor Day

Why: unintentional

How: ate 5 whole loaves of garlic bread

#### **READING** (Comprehension)

Give your child a list of facts and conclusions like those listed here. Ask him/her to check the correct conclusion, then write another plausible conclusion for each fact.

Only one person is known to have even been hit by a meteorite.

Meteorites usually fall in forests, lakes or hills.

The chances of being hit by a meteorite are almost zero.

2. A "jiffy" is defined as one hundred thousand billion billionths of a second.

A jiffy is an incredibly short period of time.

A jiffy is enough time for a quick phone call.

3. Killer bees have been responsible for killing almost three hundred people in Brazil since 1957.

Killer bees are especially threatening to people in Brazil.

Killer bees pose a worldwide threat to people.

#### MATH (Percents)

Samantha deposited \$12.35 into her savings account. She earns 8% interest monthly.

Figure how much Samantha would earn in interest at the end of one month.

What would her savings balance be at the beginning of her second month?

2. Jeremy decided he would borrow \$225.00 for a new mountain bike. His interest rate on the 3-year loan was 18% per year. How much would he pay in interest for this loan?

#### SCIENCE (Ecology/Soil)

#### BACKGROUND

Ecology is an area of worldwide concern, as we struggle to protect our water, air, animals and plants. Since ecology encompasses a wide range of topics, you may wish to focus your study on one or two areas of special interest. Find out what your child is most interested in—endangered plants and animals, conservation, communities in nature (forest communities, ocean communities, desert communities, grassland communities), ground water supply, rainforests, pollution, recycling—and concentrate your lessons on those topics.

waste management

1. Add ecology terms to the weekly spelling lists. Have your child add a glossary of ecology terms to his/her Science Log, using the following words to get started. Encourage your child to add new words as he/she encounters them in your study of ecology.

acid rain population endangered habitat pollution interdependent biodiversity environment ecology litter toxic soil community extinct nutrients biotic

ecosystem greenhouse effect pesticide wildlife reserve

organic farming

Have your child refer to resources to answer some of the following questions about soil.

forest management

What is soil?

crop rotation

What is topsoil?

Why is soil important to all organisms?

Which sample seems richest in organic material?

Which sample seems to be the heaviest?

Which sample seems to be the lightest?

Which sample has the smallest particles?

Which sample has the largest particles?

What is the value of a mixture of soils?

Which soil would be found in a garden?

Which soil would be found on a beach?

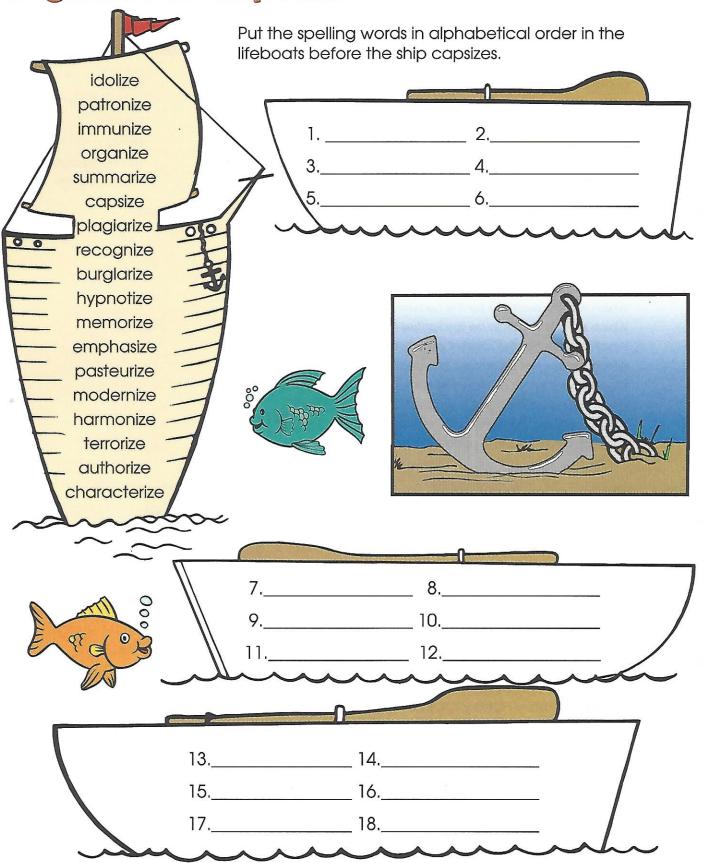
Which soil would make a good foundation for a house?

## **SOCIAL STUDIES (Western Hemisphere)**

- North America may be subdivided in a number of different ways. It may be divided into Anglo-America and Latin America. Some divide the continent agriculturally (the Corn Belt, the Columbia Basin, the Wheat Region). Some may divide the continent into the North, New England, the Gulf and the Pacific. The political divisions include Canada, United States, Mexico, Central America and the Caribbean Islands.
- 2. South America is divided into twelve countries and two dependencies. There are three major land regions: the Andes Mountains, the Central Plains and the Eastern Highlands. The continent of South America forms part of Latin America which includes Mexico, Central America and the West Indies.



## Organize or Capsize



# Timely Words

Read each sentence. **Circle** the two words that tell when something happens. **Write** each circled word on the correct line to show which word would come before or after the other word in time.



Mike hopes to someday visit Washington	n D.C., but meanwhile he reads books
before	after
Some of the tourists left immediately for	the airport while others planned to
leave later in the day.	
before	after
Although John has put off mowing the y	ard for now, he knows he must
eventually get it done.	
before	after
Kim said she would have arrived sooner	, but she waited for a phone call that
finally came.	
before	after
Tom wanted to appear earlier in the pla	
until the last scene.	
before	after
The photographer said that Sally would	
Kevin would be next.	
before	after
rcle the word that would come before the	ne other word. Use the circled word in
sentence.	
immediately - later:	
earlier - last:	
	about the capital city.  before  Some of the tourists left immediately for leave later in the day.  before  Although John has put off mowing the yeventually get it done.  before  Kim said she would have arrived sooner finally came.  before  Tom wanted to appear earlier in the plantil the last scene.  before  The photographer said that Sally would Kevin would be next.  before

## Percentages

Sally and Gabriel wrote percentage problems for extra credit. Once you have solved their problems, make up some of your own on another sheet of paper.

- 1. There were 400 students in the school. If 38% of the students were boys, how many boys were there?
- Out of the 345 sheets of construction paper in Mrs. Rainbow's class, 20% were red and 40% were blue. How many sheets were red? \_\_\_\_\_\_
   How many sheets were blue? \_\_\_\_\_
- 3. Only 19% of the 400 students ate the cafeteria food on Monday. How many students purchased cafeteria food Monday? \_\_\_\_\_
- 4. 25% of 76 band members can play a clarinet.

  How many can play a clarinet? \_\_\_\_\_\_\_
- 5. 35 trees were planted around the school. 60% were maples. How many of the trees planted were maple? \_\_\_\_\_\_
- 7. They saw these signs at the sports shop nearby. Figure each sale price.



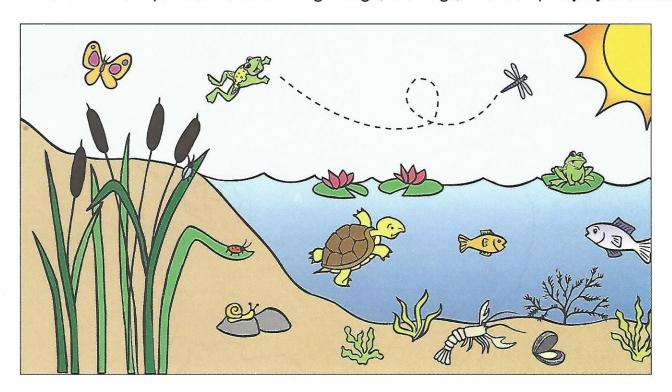




# **Enlightening Information**

An **environment** includes all living and nonliving things with which an organism interacts. These living and nonliving things are **interdependent**, that is, they depend on one another. The living things in an environment (plants, animals) are called **biotic factors**, and the nonliving things (soil, light, temperature) are called **abiotic factors**. **Ecology** is the study of the relationships and interactions of living things with one another and their environment.

Living things inhabit many different environments. A group of organisms living and interacting with each other in their nonliving environment is called an **ecosystem**. The different organisms that live together in an ecosystem are called a **community**. Within a community, each kind of living thing (i.e., frogs) makes up a **population**.



Study the picture. Follow the directions.

- 1. Label two biotic factors and two abiotic factors in the picture.
- 2. Explain the relationships among the living things in the pictured environment.
- 3. Label the type of ecosystem pictured.
- 4. Circle all the members of the community.
- 5. Explain how the organisms in this environment are dependent upon one another.
- 6. List the different kinds of populations that live in the environment.

## North and Central America



# South America



	Language Skills	Spelling	Reading
Monday (	Story Elements The setting of a story is often established from the outset. Many times the setting is indirectly described by clues given here and there. Read the beginning paragraphs of a novel until your child can describe the setting. Discuss the words and images that communicated the setting.	Pretest your child on the following words: archery greenery refinery celery grocery robbery cemetery hatchery slippery drapery machinery stationery embroidery misery surgery fiery mockery trickery Have your child correct the pretest. Add personalized words and make two copies of this week's study list.	Introduce this week's reading selection or continue with the book from last week.
Tuesday	Read sentences aloud to your child. Have your child describe the setting in each. Discuss the key words and phrases that helped your child determine the setting. Then, have your child write a paragraph about one of those settings. <i>See</i> Language Skills, Week 29, number 1.	Review this week's spelling words. Have your child complete <b>Cemetery</b> <b>Epitaphs</b> (p. 292).	Discuss the current reading book in a conference. Focus on descriptive passages.
Wednesday	The characters in a story are usually established early on. The author generally introduces much more than just the characters' names, including what they look like and how they act. See Language Skills, Week 29, number 2.	Have your child use each of this week's spelling words correctly in a sentence.	Character Analysis: Ask your child to compare the characters and setting in this week's book to the characters and setting in a similar book. Have your child make a chart listing the similarities and differences.
Thursday	Write the following character descriptions across the top of the chalkboard: monster, young child, old man, clown. Under each character named, have your child list words and actions to help develop the character. Then, have your child write a paragraph about one of the characters, using the details listed.	Have your child study this week's spelling words.	Have your child imagine, then write, a conversation with a character from the current reading book.
(Friday	Discuss the plot of a story. <i>See</i> Language Skills, Week 29, number 3.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference to evaluate the choices made in the book. Discuss whether the characters made wise choices. Did the author make wise choices?

Math	Science	Social Studies
Percents  Have your child solve situational problems with mixed operations and percents. See Math, Week 29, number 1.	Soil  Have your child collect soil samples from three different locations. Have him/her put the samples in plastic bags, label each with the date and location and bring them inside to study. See Science, Week 29, number 1.	With your child, define and discuss the meaning of <i>climate</i> . Have your child read about the climates of North America, Central America and South America in an encyclopedia. Have your child compare a location in North America, with a location in South and Central America. Have the child indicate on a map where all three places are located, then describe the three places and their climates.
Banks sometimes offer compound interest on a savings account. With compound interest, the interest earned in one period is added to the principal for the next period. Ask your child to imagine that he/she put \$200 in a savings account that earns 5% interest compounded yearly. Have your child make a chart and calculate how much he/she will earn over 10 years if he/she does not add to the principal.	Introduce the concept of soil management. Discuss and describe the attributes of healthy soil. See Science, Week 29, number 2. Have your child read about composting as a way to create richer soil. Help your child start a compost pile near your home. See Science, Week 29, number 3.	Canada: Have your child describe the physical borders and exact location of Canada. Encourage your child to use names of oceans, lines of latitude and longitude, measurements and proximity to other landmarks to describe its location. See Social Studies, Week 29 for background information on this unit of study.
Discuss the difference between similar figures and congruent figures. Similar figures are same in shape but different in size. Congruent figures are identical in both shape and size. See Math, Week 29, number 2.  Have your child make a design made of similar and congruent figures. Have your child draw each figure carefully. Encourage your child to be creative.	Have your child read about the Dust Bowl of the Great Plains states. See Science, Week 29, number 4. Have your child write a story about living conditions in the Dust Bowl.	Give your child a copy of <b>Canada</b> (p. 293). Have your child label the map with the names of Canada's provinces and territories, along with their capitals. Then, have him/her label the important rivers and bodies of water that lie in and around Canada. <i>See</i> Social Studies, Week 29, number 1.
Have your child locate lines of symmetry on a variety of shapes. A <i>line of symmetry</i> divides a figure into two parts that are exactly the same or congruent. Some figures may have more than one line of symmetry, while others have none.	Biomes: Have your child read about the rainforest biome. Give your child an atlas or globe to locate rainforests throughout the world. What kinds of plants and animals are found there? Discuss the type of soil found in the rainforest. How is it different from the soil found in your area? Help your child conduct a simple experiment with soil. See Science, Week 29, number 5.	Give your child a second copy of <b>Canada</b> (p. 293). Have him/her color-code the map to show the major land regions and create a key. See Social Studies, Week 29, number 2. Then, have your child label at least ten physical features.
Use today to review any material your child finds difficult or for your child to complete unfinished work.	Have your child read about the temperate forest biome. What plants and animals are found there? Where are the world's temperate forests located?	Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.

## TEACHING SUGGESTIONS AND ACTIVITIES



#### LANGUAGE SKILLS (Story Elements)

Read aloud the following sentences. Have your child describe the setting of each.

The dog wagged his tail as he cleaned the crumbs from under the table.

Sally wrapped herself in another blanket and continued to watch the scary movie alone in the dark.

The town clock chimed eleven times. The band began to play and lead a parade welcoming the hero home.

Have your child select one of the above settings and write a paragraph about it. Your child should describe what the place looked like, what sounds could be heard and how the character felt.

2. An author needs to develop characters so they are believable—even in make-believe stories. Read aloud the two descriptions of Penny that follow. Ask your child which paragraph gives a clearer image of the character.

Penny was baby-sitting for the Johnsons' little girl, Lori, for the first time. Penny looked friendly. Lori brought out her dolls and began to play on the floor next to Penny.

Penny arrived early at the Johnsons' because it was her first time baby-sitting for their little girl, Lori. She wanted to get to know Lori a little before the Johnsons left for the evening. Five-year-old Lori looked at Penny carefully. Penny was smiling at her. Penny's long hair was pulled back in a pony tail with a pink ribbon, and her smile seemed to make even her freckles sparkle. Lori asked Penny to play dolls with her.

Discuss why the second paragraph creates a clearer image of Penny. Developing a character involves creating a feeling of what sort of person the character is. Adjectives are not the only way to describe a person. A picture of a character may also be developed through his/her actions.

The plot of a story involves characters who interact and try to solve a problem. Have your child read each of the problems below and tell one way each might be solved.

The sixth-graders were riding the bus on their way home from a field trip to Chicago. Suddenly, they heard a loud noise, and the driver brought the bus to a stop. The driver stepped out of the bus for a minute. When she returned, she announced to the students that the bus had a flat tire.

Daryl's new puppy loved to chew. Daryl bought her bones and chew toys, but the puppy only liked to chew shoes—Dad's shoes!

Holly and Tad were sailing their little boat close to shore when a strong wind came up suddenly. Everyone on the beach saw their boat turn over.

#### MATH (Percents)

- Have your child solve the following situational problems.
  - a. A waitress served three tables with total bills of \$62.90, \$38.45 and \$24.85. If each table left a 15% tip, how much in tips will the waitress earn? What is the average tip?
  - b. Another waiter served dinner to two parties. The first party had a bill of \$382.50. The second party had a bill of half that amount. If each group left a 15% tip, how much did the waiter earn?
  - c. At one table of 12 diners, 5 people ordered the shrimp dinner at \$12.95 each. Four people ordered the lasagna at \$9.95 each. Three people ordered chicken for \$8.50 each. What was the total bill (do not apply taxes)? What tip should they leave?
- 2. The angles of similar figures are identical, and their sides are proportional in length. If you compare the lengths of the similar sides of the two figures, each pair of similar sides will have the same ratio. The angles and sides of congruent figures are identical.

#### SCIENCE (Soil/Biomes)

1. Have your child spread each soil sample on a separate sheet of white paper to examine with a magnifying glass. Have your child note his/her findings, then return the samples to the plastic bags. Next, have your child

- weigh each soil sample, recording the date and weight of each. Instruct your child to leave each bag open for a few days, then weigh each sample again. Is there a difference in weight? Why?
- 2. Sometimes soil must be managed to keep it healthy for supporting living organisms. Farmers who plant in the same soil year after year are in danger of robbing their soil of nutrients. Experts in soil management instruct farmers in techniques for improving the quality of soil. Have your child read about soil nutrients, crop rotation, irrigation and the use of pesticides. Discuss the concept of organic gardening or farming.
- 3. To start a compost pile, you need a little bedding of leaves and grass clippings in a partly sunny location. Add food waste in small amounts and stir into the bedding. Too much food waste can start to smell or attract unwanted animals. Have your child keep a journal of the dates and types of materials added to the compost. Add water periodically if the compost is too dry. When the food waste has decomposed and the compost looks like rich, black dirt, add the natural fertilizer to a garden plot or potted plants.
- 4. In the 1930s, wind storms blew away the topsoil in the southern Great Plains. The topsoil had become loose and dry because the native grasslands had been overgrazed and replaced with wheatlands. Wheat did not protect the ground against wind. A drought in the early 1930s only increased the destructive power of the strong winds. Eventually, the topsoil was blown away, and new crops could not be grown. The barren land eroded further and dust storms drove people from the land.
- 5. The floor of a rainforest is covered with fallen leaves. But beneath that layer of leaves lies a very unusual soil. Rainforest soil is formed when rainwater breaks down rocks. The soil in the rainforest is many yards thick and made mostly of clay and a sticky material that resists erosion. Many of the nutrients, however, have been washed away by rains, leaving much of the rainforest soil infertile.

Help your child conduct a simple experiment to explore how different types of soil are affected by water.

You will need: 1/2 cup each of three types of soil (clay, sand and topsoil), three plastic sandwich bags, three 10-oz. plastic cups, rubber bands, toothpicks, a measuring cup, masking tape and water

#### Directions:

- a. Put the soils in a warm dry place. Let them dry overnight.
- b. Use a toothpick to make ten small holes in the bottom of each plastic bag.
- c. Put each soil in a separate plastic bag.
- d. Set each bag in a plastic cup, folding the top of the bag over the edge of the cup. Hold the bags in place with rubber bands. Label the cups by type of soil.
- e. Predict: What do you think will happen when you add water to each soil?
- f. Pour 1/2 cup of water into each bag. Wait 15 minutes. Answer the following questions.
  - 1) Which soil held the most water?
  - 2) How is that soil different from the others?
  - 3) What can you tell about rainforest soil?

#### SOCIAL STUDIES (Canada)

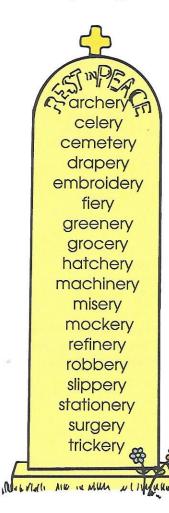
#### BACKGROUND

For the remainder of the year, your child will study individual countries in North America, Central America and South America. Help your child gather resources for research activities, including nonfiction books, encyclopedias, an atlas, primary sources, videos, newspapers and magazines. Activities are suggested in the lesson plans, but you may choose to have your child do a more in-depth study of a few states, provinces or countries.

- 1. Have your child label the bodies of water that surround Canada, as well as the major bodies of water found within its borders: the Great Lakes, St. Lawrence River, Hudson Bay, Nelson River, Lake Winnipeg, Mackenzie River, Great Bear Lake, Great Slave Lake, Columbia River, Yukon River, Fraser River.
- 2. Canada has eight major land regions: the Pacific Ranges and Lowlands, the Rocky Mountains, the Arctic Islands, the Interior Plains, the Canadian Shield, the Hudson Bay Lowlands, the St. Lawrence Lowlands and the Appalachian Region.

# **Cemetery Epitaphs**

Use a spelling word to complete each word group.



1.	graveyard, burial place,
2.	industrial, purifier,
3.	operation, medical procedure,
4.	slick, shifting,
5.	blazing, glowing,
6.	stalk, vegetable,
7.	theft, stealing,
	curtains, covering,
9.	pain, sorrow,
10.	handiwork, sewing,
11.	grass, plants,
12.	notepad, envelopes,
13.	bow shooting, sport,
14.	engines, power tools,
15.	insult, false appearance
16.	prank, joke,
17.	foodstuffs, store,
18	incubator broader

**Write** an epitaph (a tombstone inscription) for a tombstone you might find in a cemetery. The epitaph may be wacky, creepy or sentimental. Try to use several words from the list.

**Example:** Here lies George who ate too much celery. He simply couldn't resist any kind of greenery, and the surgery didn't help. I am sad to say that he died in misery.

# Canada



week		110011 00
Math	Science	Social Studies
Proportion Teach your child how to determine if two ratios are equivalent. Equivalent ratios are in proportion. See Math, Week 30, number 1. Have your child complete Sam the Squirrel (p. 300).	Biomes A forest is a rich resource for plants, animals and humans. Discuss the many benefits of forests to different kinds of organisms. See Science, Week 30, number 1. Have your child complete From Field to Forest (p. 302).	Canada  Have your child read about and look at maps of plant and animal life in Canada. See Social Studies, Week 30, number 1.
Give your child a proportion with a missing value. Teach your child to find the value of an unknown variable using cross products. See Math, Week 30, number 2. Have your child complete <b>Proportions</b> (p. 301).	With your child, discuss the abundance of life that can be found on a rotting log in a forest.  Have your child complete <b>Life on a Rotting Log</b> (p. 303).	Have your child read about Canadian history (including French and English involvement) up to the time of the American Revolution. Have your child complete an activity related to the history of Canada. <i>See</i> Social Studies, Week 30, numbers 2–4. Have your child complete <b>Speaking Canadian</b> (p. 304).
Using graph paper, draw a geometric shape whose sides are all a whole number of units in length. Have your child calculate the perimeter and area of the shape. Then, have your child draw a similar figure with a given ratio. <b>Example:</b> Draw a rectangle that is one-fourth the size of the original. Repeat with several other shapes and proportions. See Math, Week 30, number 3.	Have your child read about the grassland biome. What plants and animals are found there? What is the difference between a steppe and a prairie? Have your child draw a prairie food web. Ask your child to write a paragraph explaining what would happen to the other plants and animals if there were a decrease in the population of one plant or animal.	With your child, discuss Canada's population. About 75% of the Canadian population lives near the border between Canada and the U.S. About 77% of the population resides in urban areas. Have your child complete Which Is Which? (p. 305).
Find a simple object in the room. Ask your child to measure the object carefully and draw a scale model of the object. Have your child make a scale to accompany the drawing that tells the relative size of the object.	Discuss the impact of new housing and city developments on animal and plant habitats. Introduce the term wetlands. See Science, Week 30, number 2. Have your child read "The Great Debate." See Science, Week 30, number 3. Ask your child to make two lists of arguments—one for and one against the building of the new Riverton Ball Park.	Canada is rich in natural resources. Have your child read about important Canadian resources and industries. <i>See</i> Social Studies, Week 30, number 5.  Have your child write a brief report on one Canadian province or territory. <i>See</i> Social Studies, Week 30, number 6.
Teach your child to determine actual distances represented on a map by using the scale that accompanies the map.	Have your child read about the <i>freshwater</i> pond biome. What plants and animals are found there? Have your child make a list of animals that live on the surface of the pond, those that live mid-depth and a those that live on the bottom of the pond. Have your child study a drop of pond water under a microscope and identify what he/she sees.	Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.

## **TEACHING SUGGESTIONS AND ACTIVITIES**

## **LANGUAGE SKILLS (Story Elements)**

Use quotation marks only around the exact words that a character speaks. Use a comma to separate the quotation from the speaker.

**Examples:** Mom said, "Thank you for your help." "You are welcome," replied Garv.

Each time a new person talks, indent and begin a new paragraph.

- Planning a composition is similar to planning a story. The paragraphs in a composition work together to develop or explain an idea rather than a plot. Follow these steps before writing a composition:
  - a. Choose a topic (a trip, cars, sports, music, friends, plants, a building, animals, food, movies),
  - b. Narrow the topic so it can be covered in five or six paragraphs. For example, if plants were the topic, narrow it down to a specific type of plant, its living conditions or its uses
  - c. Brainstorm details about the narrowed topic.
  - d. Group the details into categories. Label the main idea for each group of details.
  - e. Write the composition: write an introductory paragraph, middle paragraphs and a final paragraph. The topic sentence for the introductory paragraph should state the main idea of the composition; each topic sentence for the middle paragraphs should state the main idea for one group of details.

## MATH (Proportion)

1. Use equal ratios or cross products to test for proportion. In a proportion, cross products are equal.

**Equal Ratios** 

$$\frac{8}{10}$$
 (÷ 2)  $\frac{4}{5}$ 

$$\frac{8}{10} > \frac{4}{5} \qquad 8 \times 5 = 10 \times 4$$

$$8 \times 5 = 10 \times 4$$

2. Use cross multiplication to solve for an unknown value in a proportion or set of equal ratios.

## Example:

$$\frac{6}{8} = \frac{12}{r}$$

$$12 \times 8 = 96$$
  
So  $6r = 96$ 

$$r = 16$$

A scale is the ratio between a reproduction and the actual. Scales are commonly seen on maps and models. Usually a scale gives the copy's measurement first, then the actual, as in 1 inch = 5 miles. In this case, every inch represents 5 miles.

To practice using scales, draw a simple figure on a sheet of graph paper. Then, decide on an appropriate scale, such as 1 square to 3 squares. Have your child use this scale to draw a larger version of the original figure. For every 1 square on the original, use 3 squares to draw the copy.

## SCIENCE (Biomes)

- 1. Forests are homes to many plants and animals; they provide them with food and shelter. Forests are also important resources for humans. Many everyday products come from the forest, including paper and maple syrup. Forests also provide beautiful places for nature walks and can even help prevent flooding. Have your child read about these and the many other benefits of forests to humans.
- 2. When new developments such as parks, zoos, shopping centers, schools, highways, golf courses, amusement parks, landfills and housing are proposed for a city, a planning board or commission must review the plans and environmental issues before granting rezoning or building permits. Citizens of the city may appear at meetings to take part in the discussions and decisions. One major concern in this country is the draining and use of wetlands for expansion of farms, highways and housing developments. Some people view wetlands as useless swamps. Environmentalists try to educate people about the value of wetlands. Wetlands provide

homes for many plants and animals. They also act like a sponge to protect areas from flooding. Have your child read about the other values of wetlands. What kinds of plants and animals inhabit wetlands?

3. The Great Debate

Downtown Riverton neighbors 300 acres of wetlands. This area of marshes and ponds is home to hundreds of species of plants and animals. A group of citizens from the city of Riverton wants to build a new baseball stadium on this land. Riverton has never had a professional baseball team, nor has it ever had any professional sports teams. Riverton is a large city of almost 750,000 people, and marshes are the only open land available near downtown. Some citizens would like to save the wetlands and build the ball park elsewhere, possibly in the suburbs. What do you think? What do you want to happen to the wetlands?

#### SOCIAL STUDIES (Canada)

- Have your child make an alphabetical list of Canada's varied plant and animal life. After each entry, have your child list one fact about the particular plant or animal. Ask your child to draw pictures of the plants and animals where they can be found on the map **Canada** (p. 293).
- 2. Have your child make a time line of Canadian history beginning in 1497. Ask your child to include the names of explorers, settlements and events that involved the British and French in Canada up to the time of the American Revolution.
- 3. Have your child draw a picture of a native Canadian trading with a Frenchman.
- Have your child list reasons for French/English rivalry.
- 5. Canada leads in the production of newsprint, and it ranks as a leader in the production of hydroelectric power. Other important industries and resources are listed below.



Agriculture: beef cattle, canola, chickens, eggs, hogs, milk and wheat

Fishing: cod, lobster and salmon Forestry: fir, pine and spruce

Manufacturing: aluminum, chemicals, electrical equipment, fabricated metal products, food products, motor vehicles and parts, paper products, petroleum products, steel and wood products

Mining: coal, copper, gold, iron ore, natural gas, petroleum, uranium and zinc

Exports: fish, metals, natural gas, newsprint, petroleum, wheat and wood

6. Have your child include the following information in his/her report:

capital

area

bordering provinces/territories/U.S. states

interesting places to visit

brief history

population

natural resources

chief agricultural products

major industries

map

direct object

# Magnify the Situation



verb

Unscramble the letters to find the spelling word (verb) that goes with each clue (direct object). The first one has been done for you.

	VEID	ancor object
1. (piifmyls)	simplify	the problem
2. (abyfieut)		a city park
3. (ulyfaiq)		your answer
4. (iyrfroh)		your teacher
5. (fyidosli)		the liquid
6. (ffsliay)		the document
7. (yvfrie)		your identiity
8. (ynifot)		the authorities
9. (pfliaym)		the sound
10. (ifyustj)		your actions
11. (Irofgiy)		. a hero
12. (cfteryi)		the situation
13. (cfyrail)		your question
14. (yfftroi)		the walls
15. (iafymng)	ALCO MANAGEMENT OF THE PROPERTY OF THE PROPERT	the cells
16. (fnditeiy)	1000000	the criminal
17. (ngifydi)	nga a lati sa	the procedure
18. (itrecyf)		the check

My name is Sam Sneed. It is my job to clarify the evidence, verify the facts, indentify the murderer, and notify the authorities. I do not intend to glorify but I am the best in my field. In order to qualify for this position I had to study very hard for many years. All the hard work paid off. I am now certified and have a very satisfying position as a \_\_\_\_\_\_\_.

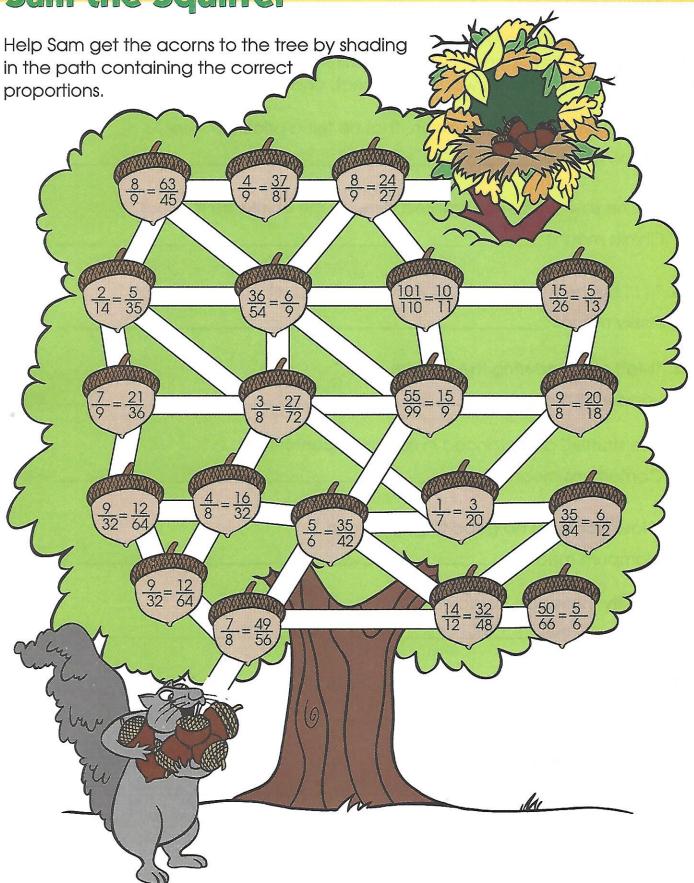
# The Sign of the Beaver

Read the following sentences. Based on context, write a definition for each **bold** word. Then, look up the definitions and **circle** yes if you were correct. If you were not correct, change your answer.



1.	" when his rage died down, that he felt a <b>prickle</b> of fear."  Prickle means	_ yes
2.	"he saw the sunlight glinted through the <b>chinks</b> on the roof."  Chinks means	_ yes
3.	" but he thought he'd rather have the <b>pesky</b> insects himself."  Pesky means	_ yes
4.	"Matt sat <b>pondering</b> the strange idea."  Pondering means	yes
5.	"He strutted and pranced in ridiculous <b>contortions</b> "  Contortions means	_ yes
6.	"Now <b>wampum</b> no good to pay for gun."  Wampum means	yes
7.	"Warily, he made his way through the brush."  Warily means	_yes
8.	"The brown eyes looked up at the Indian boy with <b>admiration</b> ."  Admiration means	_ yes
9.	" they <b>wielded</b> their bats with no heed to each other's heads" Wielded means	_ yes
10.	"Matt forced himself to eat <b>sparingly</b> of these things."  Sparingly means	_ yes

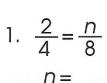
# Sam the Squirrel



## Week 30

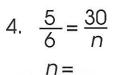
## Proportions

Solve the problems. **Write** your answers here.



2. 
$$\frac{3}{x} = \frac{9}{15}$$

3. 
$$\frac{n}{20} = \frac{5}{4}$$



5. 
$$\frac{27}{n} = \frac{9}{10}$$

6. 
$$\frac{3}{14} = \frac{n}{42}$$

6. 
$$\frac{3}{14} = \frac{n}{42}$$
 7.  $\frac{2}{n} = \frac{24}{72}$ 

8. 
$$\frac{3}{9} = \frac{x}{54}$$

9. 
$$\frac{3}{7} = \frac{x}{42}$$

10. 
$$\frac{6}{12} = \frac{12}{n}$$

11. 
$$\frac{7}{8} = \frac{42}{x}$$

12. 
$$\frac{3}{8} = \frac{n}{48}$$

13. 
$$\frac{12}{13} = \frac{24}{x}$$

14. 
$$\frac{7}{9} = \frac{21}{n}$$
 15.  $\frac{7}{4} = \frac{x}{28}$ 

15. 
$$\frac{7}{4} = \frac{x}{28}$$

16. 
$$\frac{n}{30} = \frac{5}{3}$$

17. 
$$\frac{5}{40} = \frac{2}{m}$$

18. 
$$\frac{6}{2} = \frac{t}{20}$$

18. 
$$\frac{6}{2} = \frac{t}{20}$$
 19.  $\frac{3}{9} = \frac{x}{15}$ 

20. 
$$\frac{6}{n} = \frac{4}{8}$$

$$21. \quad \frac{7}{4} = \frac{49}{y}$$
$$y =$$

22. 
$$\frac{6}{8} = \frac{n}{48}$$

22. 
$$\frac{6}{8} = \frac{n}{48}$$
 23.  $\frac{y}{15} = \frac{1}{3}$ 

24. 
$$\frac{40}{120} = \frac{4}{n}$$

25. 
$$\frac{9}{3} = \frac{27}{y}$$

25. 
$$\frac{9}{3} = \frac{27}{y}$$
 26.  $\frac{14}{6} = \frac{n}{3}$  27.  $\frac{12}{3} = \frac{12}{n}$ 

27. 
$$\frac{12}{3} = \frac{12}{n}$$

28. 
$$\frac{24}{8} = \frac{1}{m}$$

29. 
$$\frac{25}{6} = \frac{75}{n}$$

30. 
$$\frac{3}{12} = \frac{x}{48}$$
 31.  $\frac{5}{25} = \frac{t}{20}$ 

31. 
$$\frac{5}{25} = \frac{t}{20}$$

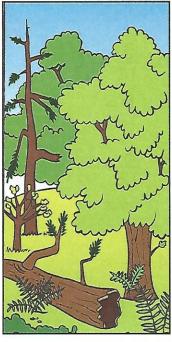
32. 
$$\frac{n}{55} = \frac{2}{11}$$

## From Field to Forest

Through a series of changes, an abandoned farmer's field can develop into a climax forest. These changes take an orderly pattern called succession. Read the description of each step in the succession of an abandoned farmer's field in the southeastern United States.









## Farmer's Abandoned Field

Ten years after Farmer Brown quit working his farm, small pine seedlings began to grow in the abandoned field along with low-growing shrubs, grasses and herbs. List some animals that would live in this habitat.

## **Pine Forest**

Twenty-five years have passed, and the pines have grown tall and mature. Young oak trees start to grow beneath the pines. List some animals that would live in this habitat.

#### Oak-Pine Forest

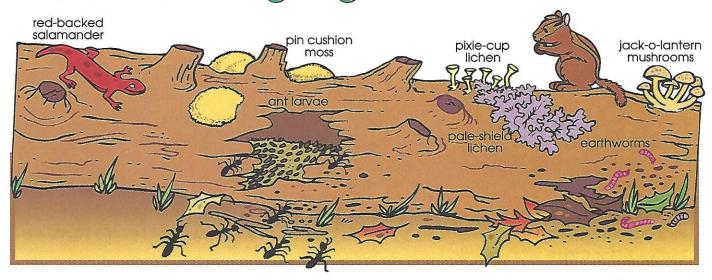
The oak trees reach for the sun between the old pine trees. Many older pines die, and young oaks begin to replace them. List some animals that would live in this habitat.

#### Oak Climax Forest

The large oaks dominate the forest. Young oaks grow in the understory, but young pines cannot grow in the shade of the oaks. List some animals that would live in this habitat.

2	^	2
3	U	4

## Life on a Rotting Log



The forest community is not limited to animals and plants that live in or near living trees. As the succession of the forest continues, many trees will die and fall to the ground. The actions of plants, animals, bacteria, lichens and weather help break the dead log down and return its components to the forest soil.

List the different kinds of plant life that are found on the rotting log
2. How do the small plants help the log decay?
3. How do the plants benefit from the log?
4. What kinds of small animals are found in or on the rotting log?
5. How do these animals help the log decay?
The lichen found on the rotting log is an interesting type of plant. It is actually made up of two organisms living together in symbiosis. What two organisms form a lichen? What does each of these organisms need to live? How do the organism help each other?

# Speaking Canadian

Use the word box to complete the puzzle and discover the name of a company given the rights to a huge tract of land in northern Canada in 1570.

constable hydro mukluk zed reveillon char metis curling loyalists Lower Canada wapiti coureurs de bois **Fskimo** Canada Day Micmac Klondike Quebecois

- 1. Trout-like fish
- 2. Animal-skin boot
- 3. Letter z (for those who haven't watched Sesame Street)
- 4. Indian word meaning eaters of raw meat
- 6. Area once famed for its gold
- 7. Police officer
- 8. French traders not licensed to gather furs
- 9. Name once given to French-speaking Canada

- 10. Colonists loyal to Britain during the American Revolution, many of whom fled to Nova Scotia
- 11. Game in which heavy stones are slid toward a target
- 12. \_\_\_\_ electricity
- 5. Quebec's French-speaking citizens 13. Descendants of French settlers and their Indian wives
  - 14. elk
  - 15. Indian tribe from Eastern Canada
  - 16. Quebec feast which follows the Christmas Midnight Mass

17. Canada's birthday

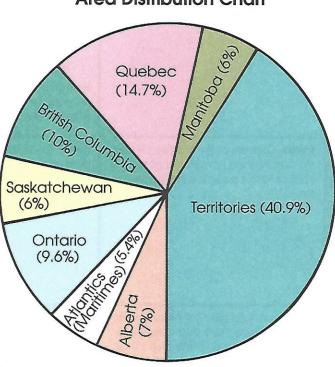
## Which Is Which?

Use the charts to answer the questions.

## Population Distribution Chart

# Quebec (26%) Ritish Columbia (11%) Ontario (36%) Territories (1%) Alberto (9%) British Columbia (11%)

## **Area Distribution Chart**



- 1. Which province has a population about the same as that of the Atlantic (Maritime) provinces?
- 2. Which two provinces have similar populations?
- 3. Which province is the largest in area?
- 4. Which province has population and area percentages nearly alike?
- 5. Which lands take up more than 40% of the area of Canada?
- 6. Which province has a larger population, Alberta or Ontario?
- 7. Which province is smaller, Saskatchewan or British Columbia?
- 8. Which takes up less area, Alberta or the Atlantic (Maritime) Provinces?
- 9. Which two provinces together make up more than 60% of Canada's population?
- 10. Which province has the greatest population density?

	week -					
	Language Skills	Spelling	Reading			
Monday	Help your child write an information report using notes. <i>See</i> Language Skills, Week 31, number 1.	Prefest your child on the following words:  banquet hatchet quiet blanket helmet racket bonnet interpret scarlet cabinet jacket skillet corset magnet velvet faucet packet violet  Have your child correct the prefest. Add personalized words and make two copies of this week's study list.	Introduce this week's reading selection or continue with the book from last week.			
Tuesday	Poetry: Compare poetry to prose. Discuss the difference and have your child make a chart or write a paragraph comparing the two.	Review this week's spelling words. Have your child complete <b>Cleaning Cabinets</b> (p. 310).	Discuss the current reading book in a conference. Focus on the Reading Journal.			
Wednesday	Poetry is very concise, but it may contain grand concepts, create vivid images and evoke strong feelings. Poetry uses rhyme, rhythm, alliteration, metaphor, hyperbole and creativity to present ideas. Poetry can be fun to listen to and read. Have your child write a definition of poetry. Challenge your child by asking him/her to write the definition using poetic language.	Have your child use each of this week's spelling words correctly in a sentence.	Figurative Language: Review types of figurative language, including simile, metaphor, personification and idiom. See Reading, Week 31, numbers 1–4. Have your child complete <b>Up a Tree</b> (p. 311).			
Thursday	Introduce your child to two common rhyming patterns used in poetry. See Language Skills, Week 31, number 2. Have your child find poems containing these rhyming patterns.	Have your child study this week's spelling words.	Ask your child to look through magazines, books and newspapers to find three examples of each of the four types of figurative language. Have your child copy each figure of speech and identify it by type (simile, metaphor, personification, idiom).			
(Friday	Take turns with your child reading aloud poems from a book of poetry. Discuss the rhythm of the poems. Tap out rhythms as you read.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference. Discuss passages in the current book that contain figurative language.			

Math	Science	Social Studies	
Scale  Have your child use a scale to convert actual distances to distances on a map. Provide your child with a list of actual distances, such as kilometers to the grocery store, kilometers to the zoo or kilometers to Grandma's house. Ask your child to calculate what each distance would be on a map which uses a scale of 1 cm = 3 km.	Endangered Animals Introduce and explain the terms endangered and extinct. See Science, Week 31, number 1.	Mexico Have your child describe in writing the exact location of Mexico, using names of oceans, lines of latitude and longitude, measurements and proximity to other landmarks.	
Have your child draw his/her bedroom and its furnishings using the scale 1 in. = 1 ft.	Have your child choose two or three endangered animals to research this week. Ask your child to research where they live, why they are endangered, their habits and other interesting facts. Have your child present the information in a report, a poster or a diorama. See Science, Week 31, number 2 for a partial list of endangered animals.	Give your child a copy of <b>Mexico</b> (p. 315). Have your child draw the boundaries and label the states of Mexico, as well as important rivers and bodies of water.	
Use today to review or catch up on ratios, proportions, percents, similar shapes, symmetry and scale.	Allow time for your child to continue his/her research on endangered animals.	Have your child read about the history of Mexico and choose from the related activities. See Social Studies, Week 31, numbers 1–5.	
Test your child's understanding of ratios. Have your child complete <b>Ratio Test</b> (p. 312). Reteach any skills missed on the test, if necessary.	Allow time for your child to continue his/her research on endangered animals. Have your child complete <b>Animal Math</b> (p. 313).	Have your child read about Mexico City and choose from the related activities. <i>See</i> Social Studies, Week 31, numbers 6–8.	
Give your child some brainteasers to solve. See Math, Week 31, number 1.	Allow time for your child to continue his/her research on endangered animals. Have your child complete <b>Animal Magic</b> (p. 314).	Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.	



#### LANGUAGE SKILLS (Poetry)

When writing a report, it may be necessary to get information from reference books. If that is the case, take notes from the sources. Review with your child some techniques for taking notes in his/her own words. Below are some notes taken about mammals. These notes are well-organized and in an outline format. Have your child write a report from this information.

Characteristics of mammals

Warm-blooded

**Backbones** 

Covered with hair

Live young

Brain more complex than other animals

Location and size

All continents and climates

Some adapt to only one environment, others to several

Some small, some large

Larger mammals need more land to live on

**Adaptations** 

Teeth (tusks, tiny teeth)

Kind of feet, reasons for different kinds (use, travel)

Some hibernate

Here are two common rhyming patterns used in poetry.

#### **Examples:**

Mary let the cat in,	(a)	The peacock is a king on high,	(a)
Rescued from the cold.	(b)	His cloak is spread out in the sky.	(a)
With fur matted and thin,	(a)	In his throne, he looks so proud,	(b)
It purrs its thanks, loud and bold.	(b)	He holds his head up in a cloud.	(b)

#### **READING (Figurative Language)**

A simile compares two unlike things using the words like or as.

**Examples:** Katie's dog ran like lightning after my cat.

I'm hungry as a horse.

The children sat as quiet as mice waiting for the movie to start.

2. A metaphor compares two unlike things by stating that one thing is the other.

**Examples:** Molly is a living doll for cleaning up the kitchen.

The sailboats were ghosts riding on the water.

The sunrise was a purple, orange and pink painting.

3. Personification lends human qualities to or animates nonhuman objects.

**Examples:** The gust of wind swept the barn off its foundation.

An open door welcomed us to the party.

The forbidding fence warned us not to trespass.

4. An idiom is an expression that has come to have a meaning other than its literal meaning.

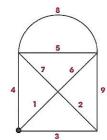
**Examples:** Robert was down in the dumps when he got his grades.

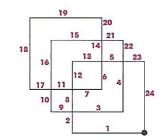
The class was in hot water when they didn't settle down after recess.

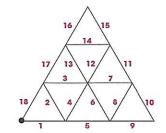
He certainly pulled the wool over my eyes.

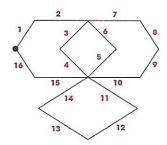
#### **MATH (Brainteasers)**

Copy the following brainteasers for your child. Your child must draw each figure without lifting the pencil from the page and without tracing any line more than once. There may be more than one solution for some figures.









## **SCIENCE (Endangered Animals)**

- Plant and animal populations may decrease for natural reasons (fire, drought, floods, ice, climatic changes, disease) or as a result of human activity, such as destruction of habitat or chemical pollution. When a plant or animal population becomes so small that it may completely disappear from Earth, it is called an endangered species. When the species of plant or animal has disappeared from Earth, it is said to be extinct. Some endangered animals include the orangutan, bald eagle, Florida manatee and whooping crane. Some extinct animals include the saber-toothed tiger, mastodon, giant ground sloth, dodo bird and the dinosaurs.
- Below is a partial list of the world's endangered animals.

African forest elephant
American crocodile
Arabian oryx
Asian elephant
Asiatic lion
aye-aye
Bactrian camel
bald eagle

black rhinoceros
California condor
cheetah
chinook salmon
Florida manatee
Galapagos turtle
giant panda
grizzly bear

jaguar
leatherback sea turtle
maned wolf
marine otter
mountain gorilla
northern spotted owl
northern white rhinoceros
ocelot

prairie dog pronghorn red kangaroo sea lion snow leopard whooping crane yak

## SOCIAL STUDIES (Mexico)

- Create a model of an ancient Aztec temple.
- Identify the areas of the ancient Mayan and Aztec civilizations on a map of Mexico and Central America.
- Solution 2. Read about the construction of the pyramids built in ancient Mexico. Describe the symbolism.
- Draw a picture of the Mexican flag and explain the significance of the colors and the coat of arms.
- 5. Look at pictures of the pottery and clay figures of the Mayans and Aztecs. Copy the style to create your own clay figures.
- 6. Read about the following men and their roles in Mexico's history: Maximilian, Hernando Cortés, Porfirio Díaz and Moctezuma (or Montezuma) II. Write a summary of each man's importance to Mexico City.
- 7. Write about some of the popular cultural events in Mexico City, What is housed in the National Museum of Anthropology? What can you see at the Palacio de Bellas Artes? Who are Diego Rivera and Freida Khalo?
- 8. Mexico City is built over the former Aztec capital of Tenochtitlán. Research and draw an illustration of the former capital or write about the invasion of the Spanish.

# **Cleaning Cabinets**

Unscramble the groups of letters in the kitchen cabinets to form words from the word list.

word list.					
	00	gmenta	tnnboe	ttehach	( <u>0</u> <u>0</u> )
banquet blanket bonnet cabinet		oietvl	catejk	theelm	
corset faucet hatchet helmet		quenbat	tracke	caefut	
interpret jacket magnet packet		tellisk	vetlev	baicnet	
quiet racket scarlet skillet	(0 0)	taselrc	cakept	tablenk	(0.0)
velvet		treetprin	tiuqe 	trosce	
	4774				

Identify the number of syllables in five spelling words. Then, write a synonym and antonym for each.

syllables	synonym	antonym
		-
		**************************************

# Up a Tree



Match these expressions with their meanings.

all the personality of wallpaper paste	a. without question			
a piece of my mind	b. consider clearly			
running amok	c. becoming wild			
beyond a shadow of a doubt	d. gather up great quantities			
think straight	e. a very bland disposition			
ace in the hole	f. strong opinion			
shop like a bear about to hibernate	g. from a bad situation to a worse one			
out of the frying pan and into the fire	h. special advantage			
<ul><li>Write two sentences using the above expressions.</li><li>Example: When my teacher asked me to give the answer, I couldn't think straight.</li><li>1.</li></ul>				



- 1. A basketball player makes 7 free throws out of every 12 thrown.
  - a. **Write** a ratio of the free throws made to the number thrown.
  - b. **Write** a ratio of the free throws taken to the number missed.
  - c. With this same ratio, how many free throws would the player make out of 24 throws?\_\_\_\_\_
- 2. Write the following percents as fractions in reduced form:

12% \_\_\_\_\_\_ 260% \_\_\_\_\_

3. Write the following fractions as percents:

$$\frac{15}{100} =$$
  $\frac{1}{4} =$   $2\frac{2}{5} =$ 

$$\frac{1}{4}$$
 =

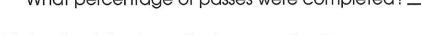
$$2\frac{2}{5} =$$
\_\_\_\_\_

4. Write the following percents as decimals:

68% = \_\_\_\_\_ 1% = \_\_\_\_\_

5. Write the following decimals as percents:

- 0.18 = \_\_\_\_\_\_ 0.05 = \_\_\_\_\_ 3.24 = \_\_\_\_\_ 6. Find 15% of 40.\_\_\_\_
- 7. Find 4% of 20.\_\_\_\_\_
- 8. Two hundred fifty people attended the fiesta. Of the fiesta guests, 52% were female. How many guests were female? \_\_\_\_\_
- 9. The guarterback completed 8 out of 25 passes. What percentage of passes were completed?\_\_\_\_\_



10. Are the following ratios in proportion?

$$\frac{3}{8} = \frac{27}{72}$$

$$\frac{3}{8} = \frac{27}{72}$$
  $\frac{1}{7} = \frac{3}{20}$ 

11. Solve for x in the following proportions:

$$\frac{18}{3} = \frac{x}{2}$$

$$\frac{6}{x} = \frac{24}{12}$$

# **Animal Math**

This chart lists some of the body statistics of fifteen endangered animals. Use these measurements to solve the problems below.

Animal	Height	Weight	Length
Mountain gorilla	6 feet	450 pounds	
Brown hyena	25 inches	70 pounds	3 feet
Black rhinoceros	5.5 feet	4,000 pounds	12 feet
Cheetah	2.5 feet	100 pounds	5 feet
Leopard	2 feet	150 pounds	4.5 feet
Spectacled bear	2.5 feet	300 pounds	5 feet
Giant armadillo		100 pounds	4 feet
Vicuna	2.5 feet	100 pounds	
Central American tapir	3.5 feet	500 pounds	8 feet
Black-footed ferret		1.5 pounds	20 inches
Siberian tiger	38 inches	600 pounds	6 feet
Orangutan	4.5 feet	200 pounds	
Giant panda		300 pounds	6 feet
Polar bear (S)		1,600 pounds	8 feet
Yak	5.5 feet	1,200 pounds	

- What is the total height of a mountain gorilla, a vicuna and a yak? \_\_\_\_\_\_
   What is the total weight of a leopard, a cheetah and a polar bear? \_\_\_\_\_
- 3. What is the total weight of a giant panda and a giant armadillo?
- 4. Add the lengths of a black rhinoceros, a spectacled bear and a Siberian tiger. \_\_\_\_\_
- Add the heights of two leopards, three yaks and four orangutans.
- 6. Subtract the height of a vicuna from the height of a cheetah.
- 7. Multiply the height of a Central American tapir by the height of a mountain gorilla. \_\_\_\_\_
- 8. Add the heights of a brown hyena and a Siberian tiger. \_\_\_\_\_
- 9. Add the weights of all the animals. \_\_\_\_\_
- 10. For the animals whose lengths are given, arrange the lengths of the animals from longest to shortest on another sheet of paper.

# **Animal Magic**

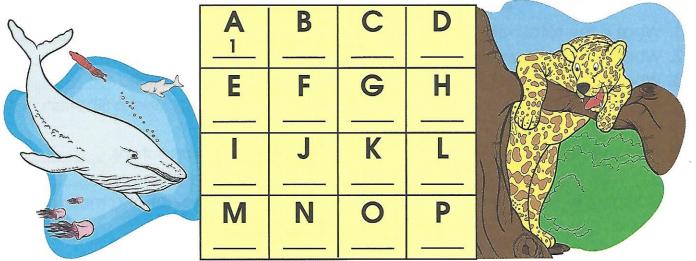
Read the animal name in Column A. Choose the correct description from Column B. **Write** the number of the answer in the Magic Square below. The first one has been done for you.

## Column A

- A. grizzly bear
- B. koala
- C. peregrine falcon
- D. California condor
- E. black-footed ferret
- F. cheetah
- G. orangutan
- H. giant panda
- I. Florida manatee
- J. kit fox
- K. blue whale
- L. whooping crane
- M. red wolf
- N. green sea turtle
- O. brown hyena
- P. jaguar

# Column B

- 1. large bear of the American grasslands
- 2. lives on dry grasslands of South Africa
- 3. the most valuable reptile in the world
- 4. largest soaring bird of North America
- 5, the tallest American bird
- 6. the fastest animal on land
- 7. the only great ape outside Africa
- 8. large aquatic seal-like animal
- 9. large black and white mammal of China
- 10. small, fast mammal; nocturnal predator
- 11. largest animal in the world
- 12. member of the weasel family
- 13. has interbred with coyotes in some areas
- 14. also called a duck hawk; size of a crow
- 15. eats leaves of the eucalyptus tree
- 16. know as "el tigre" in Spanish



Add the numbers across, down and diagonally. What answer do you get? \_\_\_\_\_

Why do you think this is called a magic square? \_\_\_\_\_



	Language Skills	Spelling	Reading
Monday (	Poetry Discuss strategies for writing poetry. Walk your child through the process. See Language Skills, Week 32, number 1. Have your child follow this process to write a rhyming poem.	Pretest your child on the following words:    admit edit orbit    bandit emit profit    benefit exhibit prohibit    commit habit solicit    credit inherit spirit    debit limit visit  Have your child correct the pretest. Add    personalized words and make two copies    of this week's study list.	Biography Choose a biography for this week's reading selection. There are many interesting biographies written by Jean Fritz that are appropriate for the sixth-grade level. Introduce the subject of the book today.
Tuesday	Review similes. Ask your child to look for similes in poetry.  Have your child write a poem where each line is a different simile about the same subject. See Language Skills, Week 32, number 2.	Review this week's spelling words. Have your child complete <b>Going into Orbit</b> (p. 320).	Discuss the current reading book in a conference. Have your child use other resources to research the life of the subject of the biography.
Wednesday	Encourage your child to use similes in poetry to create vivid images. See Language Skills, Week 32, number 3.	Have your child use each of this week's spelling words correctly in a sentence.	Have your child take notes in chronological order as he/she reads the biography. Once finished with the book, have your child make a time line of the person's life. This is just another way of taking notes.
Thursday	Review metaphors. Discuss the use of metaphors in poetry. Read some poems to your child that contain metaphors. See Language Skills, Week 32, number 4. Have your child write a poem containing at least one metaphor.	Have your child study this week's spelling words.	Have your child write a summary of the biography based on the information contained in the time line.
( (Friday	Discuss other literary techniques often used in poetry: assonance, consonance and onomatopoeia. See Language Skills, Week 32, number 5.  Have your child experiment with these techniques by writing short poems of two or four lines each.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference. Discuss the format of a biography.

Math	Science	Social Studies
Statistics Review the procedures for finding mean, median, mode and range. See Math, Week 32, number 1. Give your child lists of numbers gathered from a newspaper or magazine. Have your child find the mean, median, mode and range for each group of numbers.	Endangered Plants  Have your child read about endangered plants. What threatens plant species today? See Science, Week 32, number 1.	Mexico Prior to the 1940s, Mexico's economy was based on agriculture and mining. Today, tourism is extremely important to Mexico's economy. Have your child read about important resources and industries in Mexico. See Social Studies, Week 32, number 1.
Graphing: Review how to graph ordered pairs on a coordinate graph.  Have your child complete Browser (p. 321).	If possible, arrange a trip to a local zoo or botanical garden and view some of the endangered animals and plants. Have your child write about two of the plants seen there. See Science, Week 32, number 2.	Have your child write a brief report on one of Mexico's states. See Social Studies, Week 32, number 2.
Have your child draw a simple picture on a sheet of graph paper. Once the drawing is complete, have your child draw and number the horizontal and vertical axes outside of the image. Following the example of yesterday's activity, have your child create a list of ordered pairs that could lead someone to draw the picture.	Introduce and explain the term biodiversity. Our planet has a rich diversity of species that makes it a beautiful and interesting environment. Have your child read about how biodiversity is important to the survival of the planet.	Central America: Refer to a map of Central America and discuss important borders and cities. Give your child a copy of Central America Political Map (p. 323). Have your child label each country and its capital, noting the capital's coordinates on the chart. Then, have your child color each country a different color and label the Pacific Ocean, the Caribbean Sea, the Gulf of Panama and the Panama Canal.
Have your child create an index to a map. The index should list features and locations in alphabetical order and identify the coordinates with an ordered pair. See Math, Week 32, number 2.	Ask your child to research the plants that do well in your area. Based on this information, have your child plan a small outdoor garden for your yard, patio, window box or roof. Guide your child in preparing the soil, planting the seeds or seedlings and caring for the plants. Have your child keep a record of how he/she cares for the plants in his/her Science Log and record any growth.	The countries of Central America have unique terrain, diverse populations and different lifestyles. Guide your child in researching the countries individually. Your child may want to take a different approach with each country. Have your child research and present information on the country of Belize. See Social Studies, Week 32, number 3.
Have your child complete <b>Graphs</b> (p. 322). Discuss the topics on the completed activity sheet.	Some people rely on herbal medicines and remedies. Have your child read about herbs and their many uses. If possible, have your child prepare questions and interview someone who grows or uses herbs.	Have your child research and present information on the country of El Salvador. See Social Studies, Week 32, number 3. Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.

# TEACHING SUGGESTIONS AND ACTIVITIES



## LANGUAGE SKILLS (Poetry)

- I. Encourage your child to follow this process when writing poetry:
  - a. Select a subject.
  - b. Think about the subject. Picture it in your head.
  - c. Write down ideas, feelings and descriptions of the subject.
  - d. Decide on a form for the poem.
  - e. Write a first draft.
  - f. Revise. Adjust the rhyme and/or rhythm of the poem.
  - g. Write a final draft.
- Virte the beginning of a simile on the chalkboard. Have your child complete it several different ways.

**Example:** The puppy is like ...

The puppy is like a warm ball of fur.

The puppy is like yellow cotton.

The puppy is as wild as a bear cub.

The result is a poem. Have your child create poems around other similes: I feel like ...

The sun is as ...

Show your child how a simile may start a line of poetry. Write some examples on the board and discuss.

Like a lion roaring in my ear, the train rushed by with its whistle blowing.

Like the middle of the night, the room was silent.

Write other similes that might start a line of poetry. Have your child finish the lines.

Like cool summer breezes,

Like a snake crawling up my leg,

Like a blow on the head, Like walking on hot pavement,

4. Metaphors are often used in poetry because they create a strong feeling or image.

**Examples:** The boy was a bullet racing across the field.

My sister was a parrot who copied everything I said.

My ten-year-old cousin Trisha is a gourmet cook.

My grandmother is an angel.

5. Assonance is the repetition of vowel sounds. (Sandy sat at that laundromat last Saturday.)

Consonance is the repetition of consonant sounds. (Sally sells seashells by the seashore.)

Onomatopoeia is the use of a word whose sound makes you think of its meaning. (buzz, splash, hiss)

## MATH (Statistics/Graphing)

- Mean is the average. It is found by dividing the sum of all possibilities by the number of possibilities.
  When the possibilities are arranged in numerical order, the middle number is called the median.
  The mode is the number that occurs most often. The range is the difference between the greatest and least possibility.
- 2. Maps are often placed over a grid that helps the mapreader locate things more easily. The index of cities, landmarks or businesses refers to the coordinates of the grid. Have your child create an index to a map (use a map that is relevant to your child) by listing locations in alphabetical order and identifying ordered pairs. If the map does not already have an x and y axis, have your child add them.

## SCIENCE (Endangered Plants)

Use the following questions to guide your child's research on endangered plants:

Why might you be asked not to pick the wildflowers in a park or along a nature trail?

How has the loss of bamboo forests affected the giant panda?

Why does the deforestation of a tropical rainforest affect the many species of plants?

Why would the giant redwood forests be difficult to replace?

How does a forest fire affect the plants in a given area?

How have industrial chemicals and wastes destroyed plants in certain areas?

What was the potato famine of Ireland and what were the effects?

2. Discussion or research topic: What is the role of zoos and wildlife centers in the effort of preservation of species?

## SOCIAL STUDIES (Mexico/Central America)

Mexico is the world's primary source of silver. Other important industries and resources are listed below.

Agriculture: beef cattle, coffee, corn, milk and wheat

Fishing: anchovies, oysters, sardines, shrimp and tuna

Manufacturing: iron and steel, motor vehicles and processed foods

Mining: iron ore, natural gas and petroleum

Exports: coffee, petroleum, motor vehicles and engines

2. Have your child include the following information in his/her report:

capital

population

area

natural resources

bordering provinces/territories/U.S. states

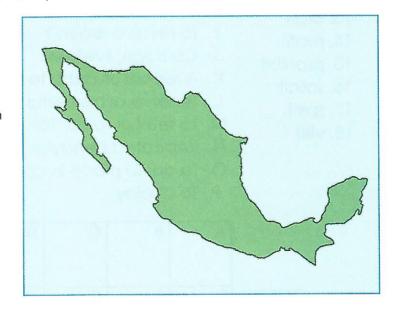
chief agricultural products

interesting places to visit

major industries

brief history

map



As your child studies the countries of Central America, have him/her consider population, physical features, history, ethnic make-up, industry, agriculture, natural resources, foods, culture, economy, language, tourism and politics. Have your child choose a different area of focus for each country and a unique way in which to present the data. Each presentation may take one of the following forms:

map	report	diorama	drawing	essay
poster	interview	comic strip	poem	slide show
graph	time line	demonstration	model	puppet show

# Going Into Orbit

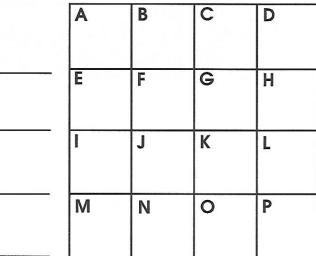
- 1. admit
- 2. bandit
- 3. benefit
- 4. commit
- 5. credit
- 6. debit
- 7. edit
- 8. emit
- 9. exhibit
- 10. habit
- 11. inherit
- 12. limit
- 13. orbit
- 14. profit
- 15. prohibit
- 16. solicit
- 17. spirit
- 18. visit

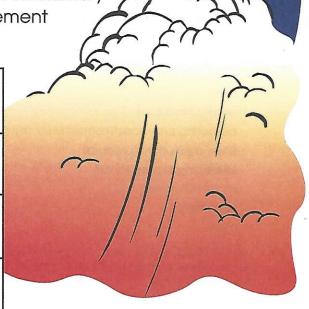
Complete the magic square by writing the number of the word from the list in the lettered square that corresponds to its definition. One of the words will not be used.

众

## **Definitions**

- A. Robber or outlaw
- B. To correct or revise
- C. Go to see; stay as a guest
- D. To restrict; boundary
- E. To send forth or to give off
- F. Asset; acknowledgment; recognition
- G. To receive property after another dies
- H. To forbid
- I. To revolve around
- J. Courage; liveliness
- K. A record of debt; to charge with a debt
- L. To serve or be useful to
  - M. To seek or to ask for
  - N. Repeated behavior, often involuntary
  - O. To do; to place in confinement
  - P. To display

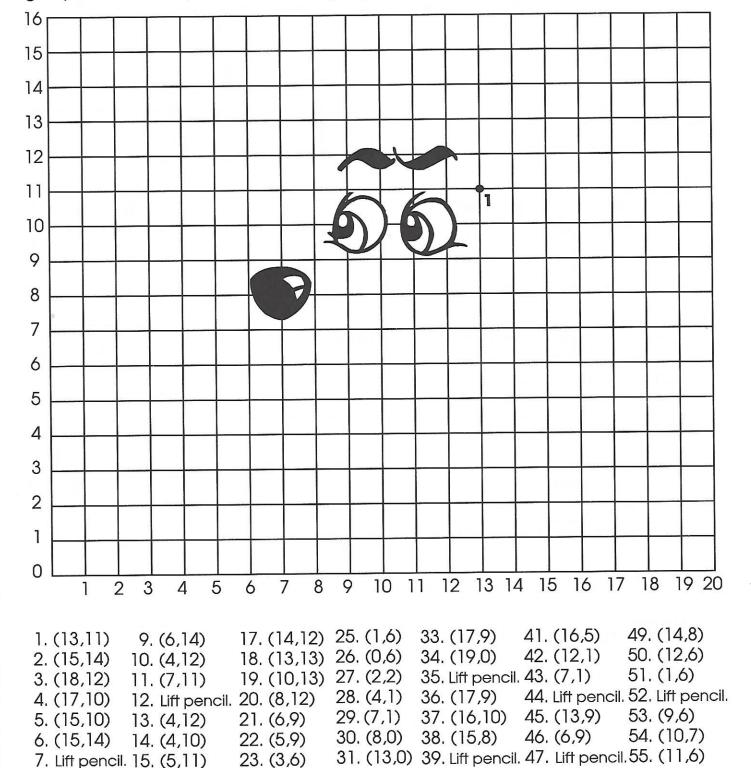




Check your magic square by adding each row and then each column of numbers. If all the sums are the same, you have matched correctly.

# Browser

Graph the ordered pairs in each group. Number each dot. Connect each point with the next point using a straight line. Do not connect the last point in one group with the first point in another group. The first one is done for you.



32. (17,5) 40. (16,8)

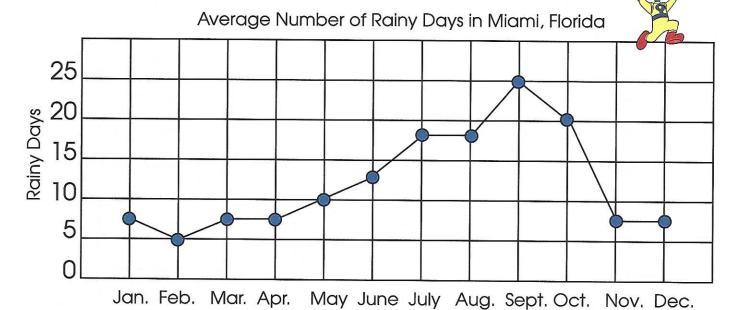
48. (14,7.5)

8. (8,12)

16. Lift pencil. 24. (2,7)



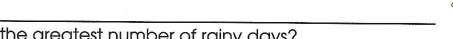
Graphs have a vertical axis and a horizontal axis. The axes are labeled to show what is being compared.



Use the data plotted on the graph to answer the following questions.



- 1. What is the title of the graph?
- 2. How is the vertical axis labeled?
- 3. What is contained in the horizontal axis?

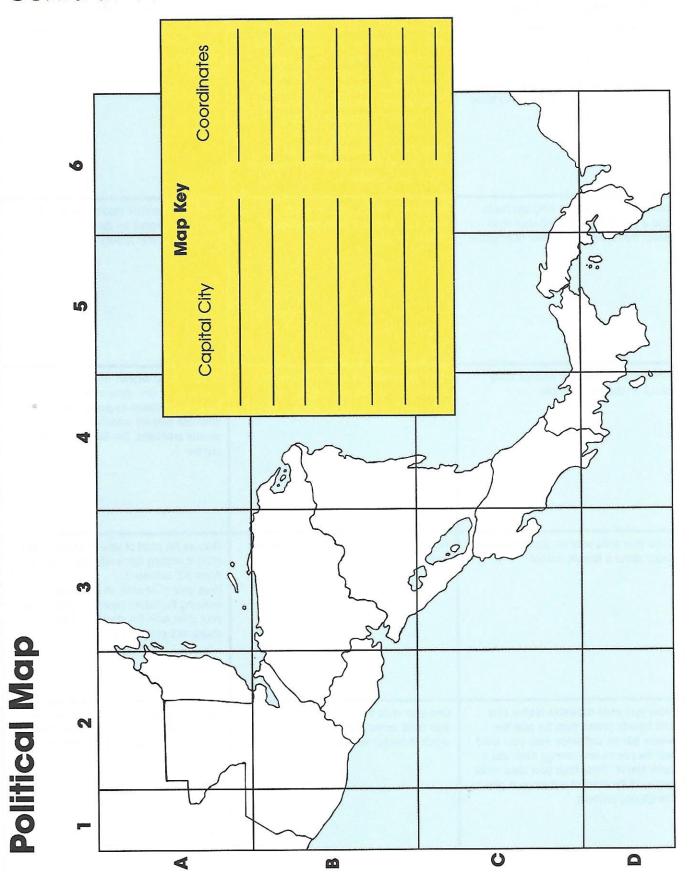


- 4. Which month had the greatest number of rainy days?
- 5. Which two-month period shows the greatest change in the number of rainy days?
- 6. Which month was the driest?

Use the graph to fill in the blanks below.

7. range:\_\_\_\_\_\_8. mean:\_\_\_\_\_\_9. median \_\_\_\_\_10. mode: \_\_\_\_\_

# Central America



	Language Skills	Spelling	Reading
Monday (	Poetry Continue to study poetry this week. Review several types of poetry with your child. See Language Skills, Week 33, numbers 1–6. Have your child write several haiku today on favorite natural subjects.	Pretest your child on the following words:  author dictator monitor bachelor director orator collector editor professor conductor emperor protector conqueror inspector sculptor creator instructor senator Have your child correct the pretest. Add personalized words and make two copies of this week's study list.	Introduce this week's reading selection. Suggestion: <i>I, Houdini</i> by Lynne Reid Banks.
Tuesday	Have your child write a <i>cinquain</i> poem and a <i>quatrain</i> poem. Help your child watch the rhyme and number of syllables.	Review this week's spelling words. Have your child complete <b>Investigator Hector</b> (p. 328).	Discuss the current reading book in a conference. Focus on the distinction between fact and fantasy.
Wednesday	Have your child write a <i>limerick</i> today about an unusual character.	Have your child use each of this week's spelling words correctly in a sentence.	Reference Materials: Take your child to your local library. Review the different reference materials available. Have your child use different resources to answer several questions. See Reading, Week 33, number 1.
Thursday	Have your child write an <i>acrostic</i> poem today about a favorite animal.	Have your child study this week's spelling words.	Discuss the point of view in the book your child is reading this week. See Reading, Week 33, number 2. Have your child write an adventure featuring the book's main character. Have your child write the story from the main character's point of view.
( Friday	Have your child assemble his/her best and favorite poems from the past few weeks into an anthology. Help your child edit the poems and arrange them into a book format. Then, have your child make copies of the finished anthology to give to friends and relatives.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference. Discuss the "exceptional talents" of the book's main character. Then, discuss your child's own exceptional talents.

Math	Science	Social Studies
Graphing Review the parts of a line graph. See Math, Week 33, number 1. A line graph shows change over time. Have your child complete Double Line Graphs (p. 329). Then, have your child make a double line graph to show morning and evening temperatures over the course of 7 days.	Acid Rain Discuss the meaning of the term acid rain, as well as its causes and effects. See Science, Week 33. Over the course of this week, your child will conduct an experiment on acid rain. The goal of the experiment is to determine how the strength of acid will affect the growth of a plant. Have your child state the problem in his/her Science Log. See Science, Week 33, number 1.	Central America  Have your child research and present information on the country of Honduras.  See Social Studies, Week 32, number 3.
Review the parts of a <i>bar graph</i> . A bar graph compares two or more quantities. <i>See</i> Math, Week 33, number 2. Have your child make a bar graph using the following information, then write three statements describing the data.  Title: Heights of Garden Flowers  Data: daisy – 3 ft. 6 in. yarrow – 2 ft. hollyhock – 6 ft. peony – 3 ft. coneflower – 3 ft.	Help your child form a hypothesis and record it in his/her Science Log. <i>See</i> Science, Week 33, number 2.	Have your child research and present information on the country of Panama.  See Social Studies, Week 32, number 3.
Explain to your child that a <i>double bar</i> graph can show a comparison between two sets of data.  Have your child complete <b>Double Bar Graphs</b> (p. 330).	Help your child plan the procedure for his/her acid rain experiment. Have him/her record the plan in his/her Science Log. See Science, Week 33, number 3.	Have your child research and present information on the country of Costa Rica. See Social Studies, Week 32, number 3.
A circle graph (or pie chart) is used when a whole is divided into parts. It is often used to demonstrate percentages. Have your child complete Circle Graphs (p. 331).	Have your child begin the experiment according to his/her plan. Remind your child to measure the acid water carefully and to water the plants according to the schedule laid out in the plan. Have your child measure the plants and record the data accurately on the chart. If he/she notices anything unusual about the plants, have him/her record the observations along with the other data.	Have your child research and present information on the country of Guatemala. <i>See</i> Social Studies, Week 32, number 3.
Have your child draw a circle graph to illustrate how he/she spends or saves money each month.	After several days (sometime in the next week or two), have your child analyze the data and draw a conclusion. Have your child write a report explaining what he/she has learned about the effects of acid rain on the growth of plants.	Have your child research and present information on the country of Nicaragua. See Social Studies, Week 32, number 3. Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.



## LANGUAGE SKILLS (Poetry)

There are many different types of poetry—a poem can take almost any form. Read a variety of poetry with your child. Discuss the styles of your child's favorite poets and review the types of poems described below.

- 1. Haiku is traditionally about a topic in nature and is made up of three lines: the first and third lines have five syllables and the second line has seven syllables.
- A cinquain is made up of five lines, each with a given number of syllables or words.

syllables: 2,4,6,8,2

words: 1,2,3,4,1

S. Each verse of a quatrain contains four lines with one of the following rhyming schemes:

a,a,a,a

a,a,b,b

a,b,a,b

a,b,b,a

- 4. A limerick is a humorous five-line poem that often begins, "There was a \_\_\_\_ from \_\_\_\_." Lines one, two and five rhyme; lines three and four rhyme and are shorter.
- 5. The subject of an acrostic poem is written vertically. Each letter in the word is used to begin a line of the poem.
- Poems written in free verse have no rhyme or notable rhythm. These poems often use figurative language to create vivid images.

# **READING (Reference Materials)**

 Give your child the following questions to research. Have your child write the answer to each question and list where (in what type of resource book) he/she found the information.

What is the approximate latitude and longitude of Mexico City?

Who fought in the Battle of the Little Bighorn and who won?

What did General Ulysses S. Grant say when General Robert E. Lee surrendered to him at the Appomattox Courthouse?

What was unique about Helen Keller and who was her teacher?

What is the second highest point in Asia?

Who built the Great Wall of China?

What is a "nonentity"?

Who was president of the United States when Panama and the U.S. signed a treaty agreeing to the construction of a canal connecting the Atlantic and Pacific Oceans?

How many square feet are in an acre?

What are three synonyms for the word "startled"?

What artist painted the ceiling of the Sistine Chapel?

What kind of weather is the northeastern part of the United States currently experiencing?

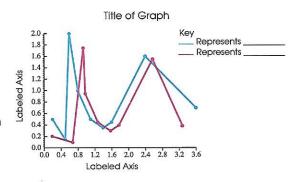
Point of view is the angle from which a story is told.

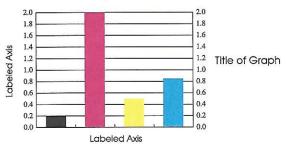
A *first-person* point of view means the author or one of the characters is telling the story. The narrator uses the pronouns *I* and *me* to tell the story.

A *third-person* point of view means someone outside the story is telling it. The third person will be either limited (cannot see into the characters' minds) or omniscient (outside the story but knows what's in the minds of the characters).

## **MATH (Graphing)**

- 1. A line graph must contain the following elements:
  - a. A title that clearly explains the subject of the graph
  - b. Clearly labeled axes, numbers beginning at 0
  - c. A legend, or key, to show what the different lines mean
  - d. Specific points plotted on the graph
  - e. Points connected with a line
- 2. A bar graph must contain the following elements:
  - A title that clearly explains the subject of the graph
  - b. Clearly labeled axes, numbers beginning at 0
  - c. Shaded rectangular bars spanning from zero to the quantity represented



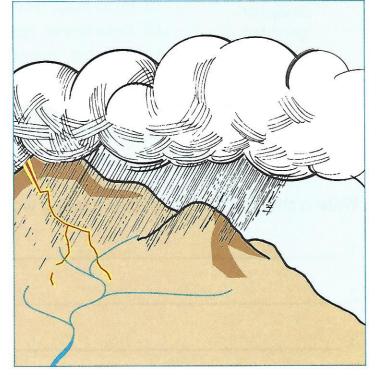


## SCIENCE (Acid Rain)

#### BACKGROUND

Rain, snow and other kinds of precipitation that are polluted by acids are called *acid rain*. Acid rain has polluted our rivers, streams and lakes, causing many fish to die. Scientists also believe that acid rain affects how plants grow.

- This experiment will involve using different strengths of acids and recording their effects on plant growth. Have your child write a question that asks what he/she wants to learn from the experiment.
- 2. Before beginning the experiment, ask your child to form a hypothesis, or prediction, of what the results will be. What kind of effect will watering a plant with "acid rain" have on its growth? Will the "acid rain" make the plant grow taller and stronger, or shorter and weaker?
  - 3. One of the best ways to begin this project is to find information at the library about acids and acid rain. Working with acids can be very dangerous. Review safety rules. Be sure your child has read about different kinds of acids, the strengths of acids, how to measure the pH of an acid and how to handle acids.
    - a. Have your child grow several plants in both the control and the experimental groups.
       The control plants should get regular water, not acid water.
    - b. Have your child write a step-by-step description of the experiment, including a list of materials, the types of acid to be used,
      - the kinds of plants to be used, how often he/she will water the plants, how much he/she will water the plants and how he/she will measure the plants' growth. Your child should also list controlled variables, such as the amount of sunlight, type of soil and temperature.
    - c. Have your child make a chart to record data. The chart should include headings such as *Plant, Water pH Level, Amount of Water/Day, Height on Day 1, Height on Day 2,* etc.



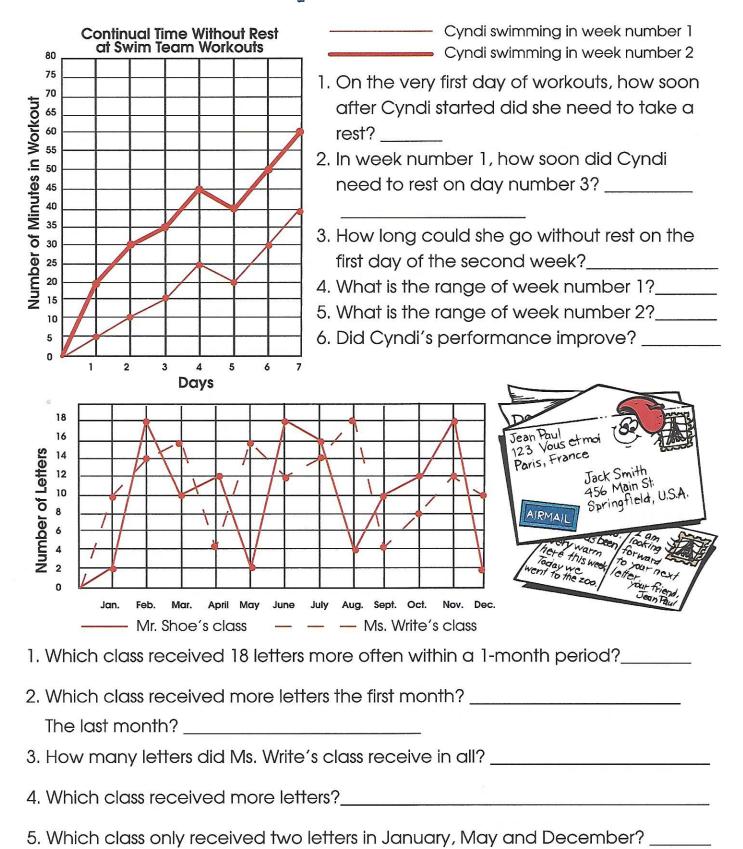
# **Investigator Hector**

author

Investigator Hector must investigate several people. Read the clues to identify each person's occupation. Write the

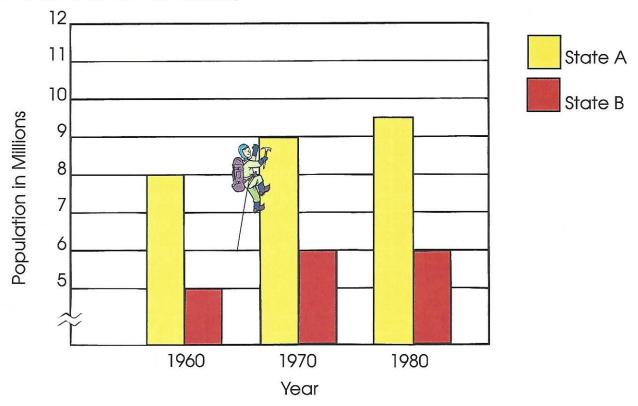
bachelor	correct spelling word in the blank.
collector	Clues
conductor	Arnie Andrew, acclaimed novelist
conqueror	2. Darla Day, direction giver
creator	3. Olive Oyle, opinionated speaker
dictator director	4. Ernie Egoist, empire ruler
editor	5. Clint Corn, card accumulator
emperor	6. Irene Ink, intelligent informer
inspector	7. Edgar Edge, eager reviser
instructor	8. Dastardly D., dreaded tyrant
monitor	9. Carl Carr, cartoon designer
orator	10. Sue Smit, sincere Congresswoman
professor	11. Sam Son, serious carver
protector	
sculptor	12. Brad Bad, bearded single
senator	13. Pete Pane, prominent teacher
	14. Ivan Ize, investigative examiner
16 Maggie May m	15. Casey Clark, choirmaster
	noney overseer courageous victor
	werful defender
10.1 fillice i dui, po	weildideleildei
<b>Write</b> a short definit	rion for five spelling words.
1	
<i>s</i>	
2	
Q	
J	
4	
5	

# **Double Line Graphs**



# **Double Bar Graphs**

**Double bar graphs** allow the comparison of two sets of data. The following double bar graph compares the growth of two states. (Population figures are rounded to the nearest half million.)



Use the graph to answer the following questions.

- 1. What was the population of State A in 1960?
- 2. What was the population of State B in 1960?
- 3. Which state experienced greater growth in population from 1970 to 1980?
- 4. What was the growth of State A from 1960 to 1970?
- 5. What was State B's population gain from 1960 to 1970?
- 6. Which state had greater population growth from 1960 to 1980? What was it?

# Circle Graphs

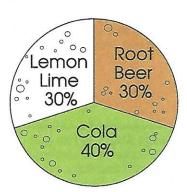
**Circle graphs** are best to use when a total amount has been divided into parts. Each part illustrates a portion of the whole.

# **Examples:**



# Favorite Soda Flavors

Cola	40%
Root Beer	30%
Lemon Lime	30%



Use the following information to complete the circle graphs.

# 1. Birthplaces of the first ten U.S. presidents:

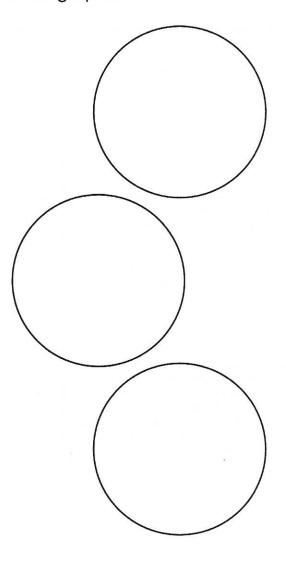
Virginia	60%
Massachusetts	20%
New York	10%
South Carolina	10%

# 2. Recyclables collected on Ecology Day:

paper	50%
aluminum cans	15%
plastic	15%
rubber	10%
glass	10%

# 3. Pizza preferences:

cheese	30%
cheese and pepperoni	20%
cheese and mushroom	10%
the works	40%



		Week 34	
	Language Skills	Spelling	Reading
Monday (	Have your child write about an autobiographical incident. The piece should have a clear beginning, middle and end. Encourage your child to express what he/she learned from the incident and include humor, if appropriate.	Pretest your child on the following words:  adhesive fugitive offensive creative impressive persuasive defensive impulsive positive expensive motive relative explosive native repulsive expressive negative sensitive  Have your child correct the pretest. Add personalized words and make two copies of this week's study list.	Poetry Select poetry anthologies for this week's reading lessons. Introduce the books today.
Tuesday	Public Speaking: With your child, brainstorm reasons for speaking in public. Discuss good presentation habits. See Language Skills, Week 34, number 1. Have your child present the paper he/she wrote yesterday. Encourage him/her to use the presentation skills discussed today.	Review this week's spelling words. Have your child complete <b>Creative Native</b> (p. 336).	Discuss the poems your child is reading in a conference.
Wednesday	Teach your child how to introduce someone properly. <i>See</i> Language Skills, Week 34, number 2. Have your child practice making introductions.	Have your child use each of this week's spelling words correctly in a sentence.	Review some of the different types of poetry and show examples of each. <i>See</i> Reading, Week 34, number 1.
Thursday	Teach your child how to give a demonstration speech. A demonstration speech includes verbal instructions and visual modeling of a procedure. Have your child prepare and deliver a demonstration speech on a familiar topic.	Have your child study this week's spelling words.	Read aloud a poem for your child to interpret. <i>See</i> Reading, Week 34, number 2.
(Friday	Discuss some possible issues and audiences for a persuasive speech. Help your child arrange to deliver a speech to an actual audience. Suggested audiences include township board, library board, school board or city council.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference. Have your child practice reading poems aloud.

Math	Science	Social Studies
Graphing  Have your child convert data into percentages, then degrees of a circle to create a circle graph. See Math, Week 34, number 1.	Recycling With your child, discuss the importance of recycling. Teach your child the three R's—reduce, reuse and recycle. See Science, Week 34, number 1.	South America What percentage of South America's population resides in each country? Have your child make a circle graph that depicts the percentage of the population of each country as compared to the total population of the continent. See Social Studies, Week 34, number 1.
Have your child make a circle graph to represent the colors found in a bag of candy. Have your child tally the number of each color on a chart, then calculate the percentages of each color to make the circle graph. Finally, have your child write three statements about the data he/she collected.	Help your child find out what items can be recycled in your community. Then, have him/her make a poster that will remind you and your family to set aside those items rather than throwing them in the trash.	The countries of South America have unique terrain, diverse populations and different lifestyles. Guide your child in researching the countries individually. For each country, your child may take a different approach. See Social Studies, Week 34, number 2. Have your child research and present information on the country of Argentina.
Use today to review and catch up on work related to statistics and graphing.	Collect cans, bottles, straws, foam containers, cups, wrappers, boxes, rubber bands, wire, bottle caps, magazines and other disposable materials. Let your child select several of these objects to use to create a sculpture or collage.	Have your child read about Simón Bolívar. See Social Studies, Week 34, number 3. Have your child research and present information on the country of Bolivia. See Social Studies, Week 34, number 2.
Test your child's understanding of statistics. Have your child complete <b>Statistics Test</b> (p. 337). Refeach any skills missed on the test, if necessary.	Have your child write a proposal of ways your family can reduce and reuse materials. See Science, Week 34, number 2.	Have your child research and present information on the country of Brazil. See Social Studies, Week 34, number 2.
Probability: Discuss the meaning of probability. See Math, Week 34, number 2. Ask your child to imagine that the letters of the word probability are put into a bag. Have your child determine the probability of picking each letter.	Have your child read about landfills and the problems associated with creating and maintaining them. Have your child draw a diagram showing a side view of a landfill. Ask your child to explain how a landfill differs from a dump.	Have your child research and present information on the country of Chile. See Social Studies, Week 34, number 2. Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.

# TEACHING SUGGESTIONS AND ACTIVITIES



#### LANGUAGE SKILLS (Public Speaking)

Note: 1. When speaking in public, keep in mind the following points:

Know your subject. First, gather information and write it in abbreviated form. Then, write an introduction. Follow with details about the subject.

*Practice.* Read what you are going to say from notes. Repeat the speech several times until you are well acquainted with the sequence and wording. Deliver the speech while looking in a mirror. Tape record yourself speaking and listen.

Stand tall and look at your audience.

Speak distinctly and loud enough for the audience to hear you clearly.

Speak with appropriate expression. Use your notes only as a reminder. Avoid "filler" words like "uh" or "um."

2. Teach your child appropriate language for introducing two people who do not know each other. Teach your child to use the names of both people and to give some information that will help them understand the other's relationship to you. The italicized words in the example below explain the relationship of each person to the speaker. Using just a name will mean little to the two people you are introducing.

**Example:** "Dr. Bouchard, I'd like you to meet my friend Maggie. Maggie, this is my doctor who is also my aunt's neighbor."

## **READING (Poetry)**

- Discuss what poetry is. With your child, brainstorm a list of different types of poetry (rhyming, free verse, limerick, cinquain, haiku, ballad, shape, etc.). Also discuss some of the literary devices commonly used in poetry, such as rhyme, rhythm, alliteration, repetition, onomatopoeia and visual arrangement of words.
- 2. Read aloud one verse at a time of a multi-verse poem, such as "Late Butterflies" by Howard Nemerov. Do not tell your child the title of the poem during the first reading. Discuss your child's interpretation after each verse. Read the poem a second time. This time, tell your child the title and read the poem in its entirety. If your child visualizes the poem any differently, ask him/her to describe the difference. Have your child fold a sheet of paper into six sections (or the number of verses) and illustrate each verse in order.

#### MATH (Graphing)

Have your child complete the chart using the given data from a bake sale held at the library. Then, have your child make a circle graph showing percentages based on this information.

Goods Sold	Number of Items	Percent	Degrees of the Circle
Cupcakes	30		
Layer Cakes	15		
Brownies	35		
Carrot Cakes	20		
Oatmeal Cookies	100		
Chocolate Chip Cookies	150		

2. Probability is the likelihood that a particular event will occur. Probability is expressed as a ratio in fraction form. A probability ratio compares the number of favorable outcomes to the total number of possible outcomes.

**Example:** What is the probability of a coin landing heads up on one toss? There are two sides to the coin so there are two possible outcomes to the toss. There is one favorable outcome—heads. The probability is 1 out of 2 or  $^{1}/_{2}$ .

### SCIENCE (Recycling)

- 1. With your child, brainstorm a list of objects and materials that can be reused, such as cardboard boxes, plastic spray bottles, glass containers, paper bags, plastic cups and clothing. Then, list objects and materials that can be recycled, such as newspapers, paper, cardboard boxes, plastic bottles and glass jars. Discuss ways in which your child can help reduce his/her own consumption of nonrenewable resources.
- 2. Reduce: We have become a "disposable" society. We throw away paper and plastic plates, cups, silverware, disposable diapers, paper towels, plastic garbage bags, products that come with excessive packaging and more. Be careful when you shop!

Reduce: We often throw away broken things that could be repaired. How many times have you tossed out a toy or article of clothing because it was easier to buy a new one than to repair it?

Reuse: We can reuse lots of things. Use both sides of a sheet of paper. Empty containers can be used for storage. Scraps and other throwaways make wonderful art materials.

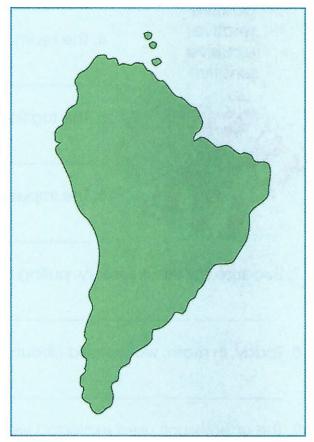
Reuse: Sometimes our trash can be someone else's treasure. Take your unwanted items to a homeless shelter or to a social service organization. Just make sure your items are not too well used.

#### **SOCIAL STUDIES (South America)**

- Refer to a current encyclopedia for population information. Have your child calculate the total population of South America by adding the population figures from the twelve countries and two dependencies. Then, have your child calculate what percentage each country's population is of the total.
- 2. As your child studies the countries of South America, have him/her consider population, physical features, history, ethnic make-up, industry, agriculture, natural resources, foods, culture, economy, language, tourism and politics. Have your child choose a different area of focus for each country and a unique way in which to present the data. Each presentation may take one of the following forms:

map	report	diorama
drawing	essay	poster
interview	comic strip	poem
slide show	graph	puppet show
time line	model	demonstration

3. Simón Bolívar is often called the "George Washington of South America." Have your child read to find out whether the two men could have known each other. Have your child imagine what advice Bolívar might have asked of Washington and what advice Washington might have given. Discuss whether or not "George Washington of South America" is an appropriate nickname for Bolívar. Ask your child to explain why or why not.



# Creative Native

adhesive creative defensive expensive explosive expressive fugitive impressive impulsive motive native negative offensive persuasive positive relative repulsive sensitive

Circle the two incorrect words in each sentence. Write the correct spelling word in the blanks.

1. The detective tried to find a motion for the repulsion murder.

impressive	
impulsive	<ol><li>Susie is very expression and persuaded when she speaks.</li></ol>
motive	
native	
negative	
offensive	<ol><li>My related wore an expenses leather coat to the mall.</li></ol>
persuasive	
positive	
relative	4. The team used an impression defensely strategy in the game
repulsive	4. The really asea arranglession detersion strategy arrange game
sensitive	, <u> </u>
	5. The fugition was a nation of Canada.
	6. The impulsed child destroyed his creator artwork.
7. Because my skin is	s sensory, pulling the adhesion tape hurt.
8. Today, in math, w	e learned about position and negated numbers.
9. The offensly unit u	sed exploded weapons to defeat its foe.
The second secon	I was a second to the second t

# **Statistics Test**

Create a line, circle or bar graph from the information given.

1. Kids' favorite foods:



Fast Food	Sweets	Fruit	Chips
100	220	85	95

2. Miles traveled by a salesman in 1 week:

70				
Monday	Tuesday	Wednesday	Thursday	Friday
250	75	167	101	87

3. Amount of homework per night for each grade:

1st	2nd	3rd		5th	6th
Grade	Grade	Grade		Grade	Grade
<sup>1</sup> / <sub>2</sub> hr.	1 hr.	2 hr.	2 hr.	3 hr.	31/ <sub>2</sub> hr



4. Weather in Anytown:

Туре	Autumn	Winter
Sunny	18	30
Rainy	3	10
Cloudy	6	20
Snowy	3	10

	Language Skills	Spelling	Reading
Monday (	Research Report Discuss the procedure for organizing and writing a research report. See Language Skills, Week 35, number 1. Help your child choose a topic for a report and begin the research process.	Pretest your child on the following words: ability majority possibility community minority prosperity curiosity oddity quantity generosity opportunity security immunity personality simplicity longevity popularity validity Have your child correct the pretest. Add personalized words and make two copies of this week's study list.	Introduce this week's reading selection. Suggestion: Old Possum's Book of Practical Cats by T. S. Eliot.
Tuesday	Review how to <i>skim</i> , use an index and locate resources on a given topic. Help your child locate information on his/her topic in a variety of resources.	Review this week's spelling words. Have your child complete <b>Personality Plus</b> (p. 342).	Characterization: Discuss the current reading book in a conference. Focus on characterization.
Wednesday	Teach your child how to take complete notes without copying the text word for word. Write only the main ideas and exact facts that relate to the topic of the report. It is important to write notes legibly, but grammar is not an issue. Use abbreviations, write numerals and draw sketches when helpful. Introduce the concept of <i>plagiarism</i> . See Language Skills, Week 35, number 2.	Have your child use each of this week's spelling words correctly in a sentence.	Read aloud several poems for your child. Have him/her draw a picture based on the description in each poem.
Thursday	Lectures and interviews are two other types of sources that can be useful in researching a topic. Teach your child how to take notes from an oral presentation. See Language Skills, Week 35, number 3.	Have your child study this week's spelling words.	Play the music from the Broadway musical "Cats" by Andrew Lloyd Webber. Ask your child to listen for familiar lyrics.
(Friday	Have your child continue to take notes from a variety of resources for the research report. Then, have your child organize his/her notes into a logical sequence.	Give your child the final spelling test. Have your child record pretest and final test words in his/her word bank.	Hold a reading conference. Have your child compare Eliot's book and Webber's music.

week .			
Math	Science	Social Studies	
Probability A canister contains 200 jelly beans—75 cherry, 36 lime, 44 grape and 45 orange. What is the probability of choosing the given flavors?  grape orange cherry grape or lime orange or cherry lime lemon grape or cherry  See Math, Week 35, number 1.	Pollution Define the term pollution. Pollution is a problem in many ecosystems. Air and water are two common types of pollution. Ask your child to name other types of pollution. Discuss the damage caused by pollution. Have your child list and describe substances that pollute the air and water. See Science, Week 35, number 1.	South America  Have your child research and present information on the country of Columbia. See Social Studies, Week 34, number 2.	
Probability is a comparison of the number of favorable outcomes with the total possible outcomes. How do you determine the total possible outcomes of a compound event? See Math, Week 35, number 2. Have your child complete Tree Diagrams and Compound Events (p. 343).	Help your child conduct an experiment to find out if there is pollution in your area. Have your child cut 3" x 5" rectangles of adhesive shelf paper. Tape the shelf paper, sticky side out, to index cards. Punch a hole in each card and hang the cards by a piece of string in various locations in and around your house. After several weeks, examine the cards. Which locations proved to have the most pollutants in the air?	Have your child research and present information on the country of Ecuador. <i>See</i> Social Studies, Week 34, number 2.	
Making tree diagrams can be cumbersome work, especially when there are many possible outcomes. Teach your child how to use multiplication to achieve the same results. See Math, Week 35, number 3.	The word <i>ozone</i> has more than one meaning. Ozone is created naturally in the earth's stratosphere; it blocks out the harmful ultraviolet rays from the sun. This is considered "good" ozone.  Have your child read about the "bad" ozone. See Science, Week 35, number 2.  Ask your child to design a car that does not run on gas and does not produce hydrocarbons.	Have your child research and present information on the country of Guyana. See Social Studies, Week 34, number 2.	
Integers: Introduce your child to integers in a realistic situation. See Math, Week 35, number 4. Draw a number line to illustrate to your child the relationship between negative and positive integers.	Have your child write a haiku about an aspect of ecology.  Example: Brown chirping insect, Munching on the wet, green grass, Watching out for frogs.	Have your child research and present information on the country of Paraguay. See Social Studies, Week 34, number 2.	
Make a large number line on the floor (with shelf paper) or sidewalk (with sidewalk chalk). Plot zero in the center, positive numbers to the right of zero and negative numbers to the left. Play a game in which you tell your child to walk on the number line in positive and negative directions. See Math, Week 35, number 5.	Help your child make a list of hazardous chemicals found in your home. Have him/her find out how to dispose of these chemicals properly. What alternatives are there to using these chemicals?	Have your child research and present information on the country of Peru. See Social Studies, Week 34, number 2. Arrange for your child to perform a community service. Have your child write in his/her Social Studies Journal.	

# TEACHING SUGGESTIONS AND ACTIVITIES



## **LANGUAGE SKILLS (Research Report)**

- Before your child begins working on the research report, review some organizational steps. It may be helpful to make a chart of these steps for your child's reference.
  - a. Select a topic.
  - b. Gather reference materials and narrow the topic.
  - c. Make a list of questions about the narrow topic. Write each question on an index card.
  - d. Using the reference materials, find answers to the questions and write them on the cards. Note the source of the information for use in the bibliography.
  - e, If two sources present conflicting information, look at a third source to confirm one or the other.
  - f. Organize the note cards in a logical sequence.
  - g. Write an outline.
  - h. Write a rough draft.
  - i. Revise and edit the report.
  - j. Write a final draft.
- Plagiarism is the act of passing off another's words or ideas as your own. Do not copy words exactly from a resource without quoting or otherwise acknowledging the author.

You may wish to quote an author if you ...

- a. want to lend authority to your words.
- b. think the author has expressed an idea so well that you want to repeat it in your report.
- 3. Taking notes on a lecture or interview is difficult, since the information is said only once. Teach your child to listen carefully, filtering the information and jotting down only the important points and interesting facts. Remind your child that "correctness" is not an issue and that using abbreviations and numbers is acceptable. Give your child practice taking notes in a lecture situation. Read the following passage while your child takes notes. After the reading, discuss your child's notes. Point out any strengths and areas that need improvment.

Alaska covers more territory than any of the fifty United States yet ranks forty-ninth in population. There is so much land that it would be possible to give one square mile to every person in the state. Alaska also contains the United States' highest point and the northernmost city. Mount McKinley is 20,320 feet high. Barrow, Alaska, is almost at the top of the world.

California, by contrast, ranks third in state land size, with about 160,000 square miles, and first in population, with nearly 30,000,000. The population density of California is 188 persons per square mile. That is 188 times more dense than Alaska's population density. California does hold some record-breaking geographic statistics. It contains the lowest point, Death Valley, and the highest mountain in the forty-eight contiguous states, Mount Whitney.

## MATH (Probability/Integers)

Probability ranges from 0 (an impossible occurrence) to 1 (an event that is certain to occur). Add together the probabilities of choosing grape, orange, cherry and lime jelly beans. The total should be 1, since it is certain that you will choose one of those flavors.

Answers:	grape		orange	<sup>45</sup> /200
		<sup>75</sup> /200	grape or lime	<sup>80</sup> /200
orange	or cherry		lime	<sup>36</sup> /200
	lemon	0/200	grape or cherry	119/200

Imagine that someone eats all of the cherry-flavored jelly beans. Discuss what happens to the probability of choosing each of the remaining flavors. (The probability increases for the other flavors.)

2. If you toss one coin, there are only two possible outcomes: heads and tails. If you toss a penny and a nickel, the possible outcomes increase. To find out the possible outcomes, you can draw a tree diagram. First, list all the possibilities with one coin (heads and tails). Then, next to each possibility, list all the possible outcomes of the other coin.

# Penny Outcomes head head There are four possible outcomes: tail 1. penny head, nickel head 2. penny head, nickel tail tail head 3. penny tail, nickel head 4. penny tail, nickel tail

Out of four possible outcomes, what is the probability that you will get a penny head and a nickel head? ( $^{1}/_{4}$ ) What is the probability that you will get two heads? ( $^{1}/_{4}$ ) What is the probability that you will get one head and one tail? ( $^{2}/_{4}$  or  $^{1}/_{2}$ )

3. In a compound event, multiply the possible outcomes of each event to determine the total possible outcomes.

**Example:** If you roll three dice at once, what is the total number of ways the dice could land? Each die has 6 possible outcomes. Multiply 6 x 6 x 6 to get the total possible outcomes. The total is 216.

Ask your child to determine the number of possible outcomes in the following scenario:

A car dealership offers 32 different models of vehicles. Each model offers a choice of 8 interior colors, 8 exterior colors and the option of automatic or manual transmission. Use multiplication to determine how many combinations are possible. Answer:  $32 \times 8 \times 8 \times 2 = 4,096$  possibilities.

- 4. Integers include all positive whole numbers, all negative whole numbers and zero. The opposite of 3 is 3 as evidenced in the following equation: 3 + 3 = 0. Both numbers are an equal distance from zero on a number line. It may be confusing to talk about negative numbers. There are many real situations in which your child may explore integers. A checkbook has credits and debits—the debits are negative numbers. Think of a football field with the center line as zero and the positive and negative yards on either side. Think of the surface of the water as zero and talk about diving below the water as a negative number and rising above the water as positive. A thermometer is also a natural tool for exploring integers. Think of your child's interests, and have him/her practice adding positive and negative integers in a realistic scenario.
- 5. Have your child stand on the number line at zero. Then, say an addition sentence for him/her to demonstrate by walking on the number line.

**Example:** 
$$6 + - 7 = _{--}$$

Your child walks six steps to the right, then seven steps to the left. This will bring the child to - 1.

Here are some other problems to get you started:

$$6+-5=$$
 $1+-2=$ 
 $3+-5=$ 
 $-3+-5=$ 
 $-3+5=$ 
 $-3+-2=$ 
 $-4+8=$ 
 $3+-2+5+-7+1=$ 
 $-2+4+-1+5=$ 

## SCIENCE (Pollution)

- Some of the substances that pollute air and water include household and garden chemicals, insecticides, herbicides, smoke, exhaust from motor vehicles, trash, industrial wastes, mining wastes, oil spills, acid rain and chemical spills.
- Ozone can also be a toxic gas called smog. Smog is an air pollutant that hovers close above the earth's surface and affects the air we breathe. Smog can irritate our eyes, burn our throats and cause damage to our forests and crops. The main chemical reaction that creates ozone occurs when we mix three main ingredients: 1) the two main components of air, nitrogen and oxygen, in high temperatures form nitrogen oxides; 2) hydrocarbons, which come from the exhaust tailpipes of cars and trucks; and 3) sunlight.

# Personality Plus

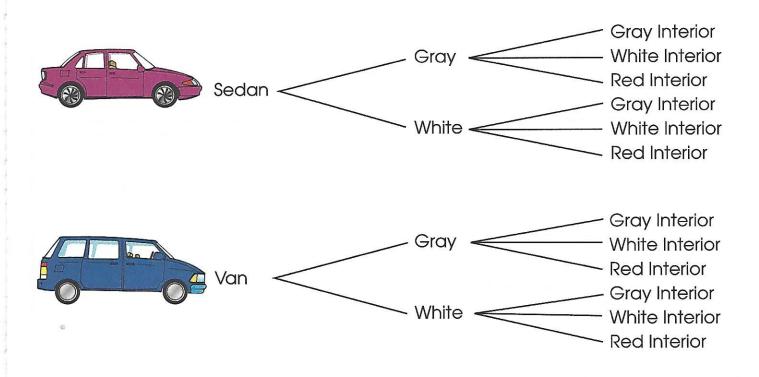
	Complete each phrase w	ith a spellng word. The words will
community	appear in alphabetical or	der.
validity	1. Don't waste your	9
immunity majority	2.1 live in a	
minority	3	killed the cat.
ability quantity		
personality opportunity	helped those less fortur	
generosity	5. John has an	to the measles.
curiosity popularity	6	runs in the family.
oddity	7	rules!
simplicity security	8. The rest of you are in th	ne
prosperity	ection was an $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ .	
longevity possibility	10. This is your big	
	11. Marie has a charming.	
	12. Who will win the	contest?
The state of the s	13. The	always exists.
		0
14. Good fortune brin	ngs	LP MI
15. It is sold in a large		
16. There is	in number	S.
17. Life is made easie	er by	
18. The	of her test scor	es was
confirmed by the	teacher.	

confirmed by the

#### Week 35

# Tree Diagrams & Compound Events

Mary's family is looking at new cars. They have narrowed it down to the following choices. The tree diagram below shows the possible outcomes.



- What is the probability that Mary's family will select a gray sedan with a black interior?
- 3. What is the probability that they will select a gray van?
- 4. What is the probability that they will select a white van with a red interior?

**Extension:** On another sheet of paper, show a different way to figure the number of possible outcomes in this compound event without drawing a tree diagram.

	Language Skills	Spelling	Reading
Monday (	Research Report  Have your child write a rough draft of his/her report. The report should include facts learned from the research. Remind your child to use quotation marks and give credit to the author when copying material directly from a text.	Select words from the past 8 weeks for this week's pretest. Have your child correct the pretest and make a list of any misspelled words. Have your child study the list this week.	Review of Reading Introduce this week's reading selection or continue with the book from last week.
Tuesday	Read through the rough draft of the report with your child. Discuss. Offer some constructive criticism. Review proofreading marks. See Language Skills, Week 36, number 1. Have your child proofread and revise the rough draft.	Ask your child to find spelling words from the past 8 weeks that contain identifiable root words. Have your child list each spelling word and its root word.	Discuss the current reading book in a conference. Focus on the author's style.
Wednesday	Teach your child how to make a bibliography. See Language Skills, Week 36, number 2. Refer to a writing handbook or other resource for appropriate bibliography format for books, encyclopedias, magazines, newspapers, videos and interviews. Have your child make a bibliography of sources for the report.	Give your child clues that will lead him/her to guess a spelling word. Clues may include hints as to the word's meaning, origin, number of syllables, root words or affixes.	With your child, brainstorm a list of different types of stories, such as action, biography, fable, myth, tragedy, novel and folktale. Discuss elements of a story that make reading interesting, such as dialogue, mood, tempo and descriptive passages.  Have your child complete a copy of <b>Story Organizer</b> (p. 19) for this week's book.
Thursday	Have your child do a final proofread and make a final copy of the research report.	Have your child make a crossword puzzle using spelling words from the past 8 weeks. Have your child use definitions as clues.	Have your child make a chart of the books he/she has read this year. Ask your child to make up headings for the chart to communicate what he/she has learned about literature this year. Possible headings include title, author, genre, rating, mood, characterization, conflict, solution, best scene, lesson learned and recommendation.
(Friday	Have your child gather his/her best and favorite writing and artwork from this year. Help your child publish his/her work in a literary magazine. Make copies of the magazine for friends and relatives.	Give your child the final spelling test.	Hold a final reading conference. Help your child make a list of books to read over the summer.

		week 36 — Review
Math	Science	Social Studies
Integers  Make a desk-size number line with positive and negative integers for your child's reference. Discuss strategies for adding positive and negative integers. Work through several problems together with your child. See Math, Week 36, number 1. Have your child complete the top half of Integers (p. 348).	Ecology The greenhouse effect theory holds that the temperature of the earth is gradually increasing and will soon alter the ecology of the earth. See Science, Week 36, number 1.  Ask your child: What do you think the effects on the ecology of the earth will be if the temperature continues to increase?	Have your child research and present information on the country of Suriname. See Social Studies, Week 34, number 2.
Have your child complete situational problems that involve reading a thermometer. <i>See</i> Math, Week 36, number 2.	Help your child build a terrarium to simulate the greenhouse effect. <i>See</i> Science, Week 36, number 2.	Have your child research and present information on the country of Uruguay.  See Social Studies, Week 34, number 2.
Subtraction with integers can be tricky. Explain that to subtract an integer, you must add its opposite. <b>Example:</b> In the problem 4 – -6, add the opposite of -6 which is +6. Rewrite the equation as 4 + +6 = 10. The difference is 10. Try it on a number line. The difference between +4 and –6 is 10. Give your child other subtraction problems to solve. See Math, Week 36, number 3.	Have your child interview an ecologist about his/her work. Help your child prepare questions prior to the interview about the necessary training for such a job, a typical day and what makes the job interesting. See Science, Week 36, number 3.	Have your child research and present information on the country of Venezuela. See Social Studies, Week 34, number 2.
Have your child complete the bottom half of <b>Integers</b> (p. 348). Review math skills covered this year.	Ask your child to imagine life on earth 1,000 years into the future. It will be quite different from life today. If a group of future scientists uncovered one of our landfills, what could they learn about us? What do you think they would think of us?	Review your study of the Western Hemisphere. Have your child complete <b>Mapping Mania</b> (pgs. 350–351).
Test your child's understanding of math concepts covered this year. Have your child complete <b>Overview Test</b> (p. 349). Reteach any skills missed on the test, if necessary.	Review concepts from the unit on ecology. Have your child write a paragraph summarizing what he/she has learned about ecology. Then, have your child write a second paragraph describing a practice he/she will change based on this learning.	Have your child evaluate his/her experience with community service. What has the child learned?

# **TEACHING SUGGESTIONS AND ACTIVITIES**



## **LANGUAGE SKILLS (Research Report)**

1. Teach your child how to use the following proofreader's marks:

Use a lower-case letter

Use a capital letter Indent Insert a period Start a new paragraph Insert quotation marks Insert a comma Insert an apostrophe Insert B Delete

A bibliography is a list of books or articles used in the report. The bibliography provides information about the resources so the reader can see where the writer of the report got his/her information. Each entry in the bibliography includes the title, author, publisher, location of publisher and date published. Some include page numbers or volume numbers.

# **MATH (Integers)**

1. Give your child the following problems to solve. Discuss strategies as your child solves the problems.

-3 + -4 =4 + - 5 =6 + -8 = 8 + 9 =-4 + 8 = 3 + -9 = 13 + -14 =-8 + 0 =-16 + 16 =-24 + 14 =-3 + 15 =-2 + 12 =

- 2. Have your child complete the following situational problems by adding and subtracting integers.
  - a. In the morning, the thermometer registered -3°F. It later rose 8°, then dropped 6° by the end of the day. What was the temperature at the end of the day? (-1°F)
  - b. The next day was much warmer. It started at 12°F. It later rose 8°, then dropped 6° by the end of the day. What was the temperature at the end of the day? (14°F)
  - c. The storm was responsible for a very low temperature the following morning. It was -12°F, then it dropped 8° more, rose 15°, then dropped again 4°. What was the final temperature? (-9°F)
  - d. The thermometer registered 28°F on Thursday morning. It quickly dropped 5°, then rose 15°, then dropped another 4°. The day ended with the temperature rising another 8°. What was the temperature at the end of the day? (42°F)
  - e. Friday's temperature started at 16°F. It then dropped 3°, rose 21°, dropped 6°, then rose 4°. What was the ending temperature? (32°F)
- 3. Give your child the following problems to solve, Discuss strategies as your child works the problems.

10 - (-2) =7 - (-4) =-6 - 8 =8 - (-9) =-18 - 9 =-32 - (-10) =-5-(-8)=15 - 20 =25 - (-5) =21 - 40 =-3-(-3)=83 - (-21) =

## SCIENCE (Ecology)

- 1. Ask your child to describe the temperature inside a closed car that has been sitting a long time in the sun during the summer. Explain that the heat rays that enter the car are trapped inside the car by the glass. The temperature increases inside the car. This is similar to the greenhouse effect. The atmosphere naturally traps heat and keeps the earth warm. However, since the increased use of fossil fuels has increased the amount of carbon dioxide in the atmosphere, the temperature of the earth has increased. We help prevent the addition of carbon dioxide and other gases to our atmosphere by reducing the amount of fossil fuels we use and by reducing the clear cutting of forests.
- Place several inches of soil in the bottom of an aquarium. Plant small plants in the soil and water them lightly. Place a thermometer inside and cover the aquarium with plastic wrap. Set the aquarium in direct sunlight. Have your child observe the terrarium over a period of several weeks and record the temperature changes during this period. How do the plants react? Simulate the greenhouse effect by shining a heat lamp into the aquarium on the side opposite of the sun. Observe the plants over several days to see how they react.
- Arrange for your child to interview one of the following people about his/her vocation or hobby as it relates to the field of ecology.

ecologist soil conservationist park ranger

fishing enthusiast

wildlife manager gardener marine biologist

horticulturist

agriculture agent game and fish representative someone who works at an aquarium someone who raises earthworms



# Integers

Solve the problems. Write your answers here.





$$1. -12 + 1 =$$

$$2. -7 + 9 =$$

$$3. -2 + 10 =$$

$$4. - 14 + 7 =$$

$$5. -12 + 12 =$$

$$6. -14 + 3 =$$

$$7. -10 + -10 =$$

$$8. -5 + 0 =$$

$$9. -12 + -11 =$$

$$10. -6 + 9 =$$

$$11. -8 + 12 =$$

$$12. -1 + 12 =$$

$$13. -15 + -10 =$$

$$14. -2 + 8 =$$

$$15. -30 + 2 =$$

$$16. -4 + 5 =$$

$$17.10 - (-14) =$$

$$18. -14 - (-7) =$$

19. 
$$10 - (-3) =$$

$$20. -10 - 6 =$$

$$21. - 5 - (-5) =$$

$$22. -8 - (-9) =$$

$$23. -30 - (-8) =$$

$$24. -14 - 9 =$$

$$25. -16 - (-4) =$$

$$26.20 - 30 =$$

$$27. -10 - 4 =$$

# Overview Test

1. Write 7,245,208.07 in words. \_\_\_\_\_

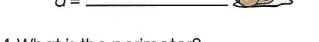
2. Round 3,657.189 . . .

to the nearest hundredth.

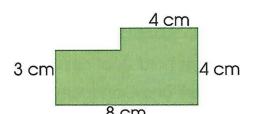
to the nearest whole number.



$$3. d \times 14 = 56$$



4. What is the perimeter?\_\_\_\_\_ What is the area?\_\_\_\_\_



11. 
$$2.6\overline{\smash{\big|}\,15.47}$$
 12.  $\frac{3}{5} \times \frac{10}{18} =$ 

13. 
$$2\frac{1}{2} \div \frac{1}{2} =$$

14. 
$$2\frac{5}{8} + \frac{3}{4} =$$

15. 
$$17 - 5 \frac{1}{2} =$$

18. 
$$\frac{5}{40} = \frac{2}{m}$$



# Mapping Mania

Refer to a map of Canada and the United States to complete the following. 1. A group of islands close to each other is called an archipelago. Name the archipelago that extends southwest from Alaska. \_\_\_\_\_ 2. What state is made up of an archipelago? \_\_\_\_\_ 3. Why are Texas, Louisiana, Mississippi, Alabama and Florida known as the Gulf states? 4. The Great Lakes hold  $\frac{1}{5}$  of all surface freshwater in the world. Name the American states and Canadian province that border these lakes. \_\_\_\_\_ 5. What Canadian province retains its French heritage and language? \_\_\_\_\_\_ 6. Name the Canadian Maritime Provinces.\_\_\_\_\_ 7. Name the oceans that border Canada. 8. Name the American state that borders two oceans, \_\_\_\_\_\_ Name the oceans. 9. Name the state made up of two peninsulas. \_\_\_\_\_\_ 10. Name the three major mountain chains found in North America. 11. Locate a map with time zones. Find the number of time zones within the contiguous United States. \_\_\_\_\_ Name them. \_\_\_\_\_ 12. Name the states that have the Mississippi River as a border. \_\_\_\_\_

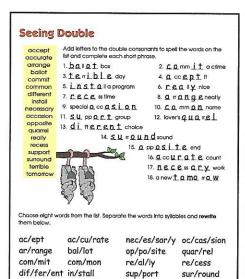
# Challenge!

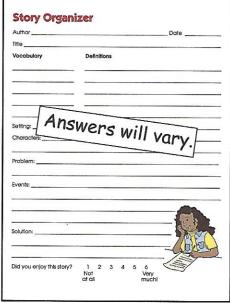
There is one place in North America where you could get into a boat at one state capital, sail to the nearby capital of a Canadian province and continue along the coast to another state capital. Name the three capitals.

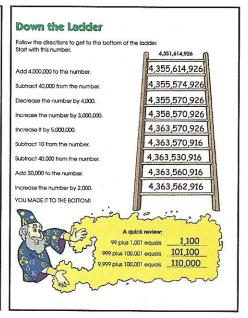


Refer to a map of Central America and South America to complete the following.

1.	Name the large peninsula in Mexico that separates the Gulf of Mexico
	from the Caribbean.
2.	Name the four nations that still have possessions in the Caribbean region.
3.	Which Central American country is not officially Spanish speaking? (It was formerly British Honduras.)
4.	In 1949, this Central American country abolished its army. Today, it is one of the
	most stable countries in Latin America. Its president won a Nobel Peace Prize in
	1987 for working to end fighting in Central America. It lies west of Panama and
	south of Nicaragua. Identify the country
5.	Name the countries that border the Gulf of Mexico
6.	Which South American countries lie on the equator?
7.	Does any South American country lie completely outside the tropics? If so, which one?
8.	Name the cape at the southern tip of South America.
9.	Name three countries in South America where Spanish is not the official language.
10.	In 1935, one of the great scientists in history, Charles Darwin, spent a month in the
	Galápagos Islands, part of Ecuador. His visit was the inspiration for the theory of
	natural selection that revolutionized science. Give the absolute and relative
	locations of the Galápagos.
	11. Name the only country in South America without a coastline.





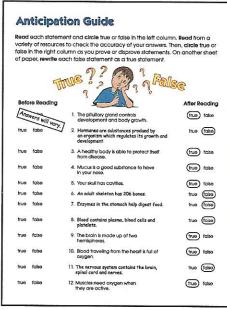


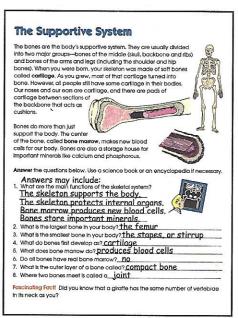
ter/ri/ble to/mor/row

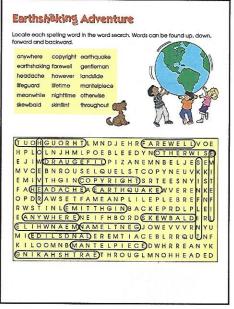
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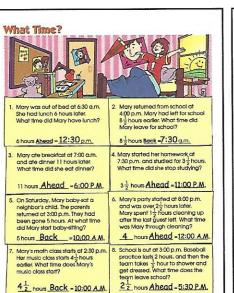


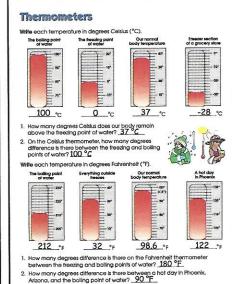




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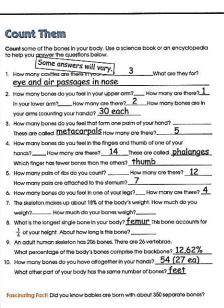
Mean Monster Locks Up Wrestling Mean Monster, a great defensive back in football, decided to take on all the top wrestlers in order to keep in shape during the off-season. He weighed 569 lb. 7 cz. and stood 7 ft. 3 in. tail. (Remember: 1 lb. = 16 cz. and 1 ft. = 12 in.) Solve the problems on another sheet of paper Write your answers in the spaces provided. 1. Mean Monster's first bout was with Harry the Hammer 172 lb. 3 oz. who weighed 397 lb. 4 oz. How much more did Mean Monster weigh than Harry the Hammer Mean Monster did so well in his first round that he faced Marvelous Marvin Morton in the next event. Marvelous V stood 6 ff. 9 in. tall. How much taller was Mean Monster? 6 in. 3. Awesome Albert Alston was 167 lb. 11 oz. lighter than 401 lb. 12 oz. Mean Monster. What did Awesome Albert weight Inwin the Icebox weighed 478 lb, 14 oz. He and Mean Monster stood together on the scale. What did it read? 1048 lb. 5 oz. 5. Dreadful Dan the Mighty Man weighed 777 lb. 7 oz. 12.439 oz What was his weight in ounces? 108 oz. Ivan the Incredible ate an 18 lb. 8 oz. meal before his bout.
 Mean Monster had only 188 oz. of food before the match. or 5 lb, 12 oz. How much more did Ivan eat? Melvin the Magnificent was a dainty 478 lb. 15 cz.
 He stood with Mean Monster and Dreadful Dan on the same scale. What was their total weight? 1825 lb. 13 oz. . Mean Monster's brother, Itty Bitty Monster, weighed 134 lb. 15 oz. less than his big brother. What did Itty Bitty weigh? 434 lb. 8 oz.

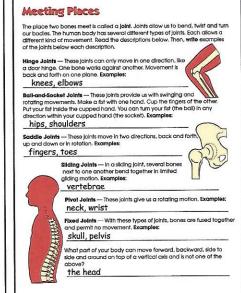
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ndefine the verb in each sentence. Tell whether the verb is in the present tense, ast tense or future tense.

Thousands of years ago, the Chinese <u>used</u> more than one name.

past 2. Today, the Chinese still give their children three names. present
3. Family names, or last names, come about in various ways. past
4. These names will remain for conturies into the future. future. Some writers use "pseudonyms," or fictitious names present Eric Blair wrote under the assumed name George Orwel.
 Immigrants will Introduce new names to the United States.
 Some people use nicknames instead of their legal names. present FIII in the chart belo Present Tense Past Tense Future Tense Verb see, sees saw will see hid will hide hide, hides hide will swim swim, swims swam swim caught will catch catch, catches catch left will leave leave, leaves leave will run run, runs run throw, throws threw will throw throw

The present tense tells what is happening now.
Example: Jamle runs today in the big roce.
The past tense tells about an action which happened in the past.

Example: Jamile and in the preliminary race yesterday.

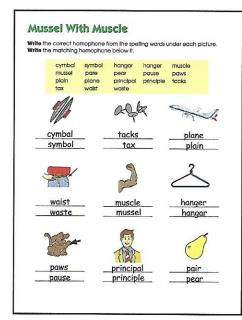
The future tense tells about an action which will occur in the future. It is formed by using the helping verb will with the present fense of the verb.

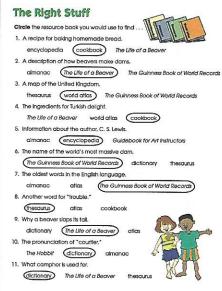
Example: Jamile will run in the Olympics someday.

Verb Tense

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Circle the sentence that best expresses the main idea of each paragraph.

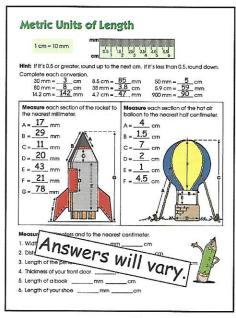
1. Edmund began to question whether or not the lion in the Queen's courtyard was alive. The large creature looked as if it were about to pounce on a dwarf. But it did not move, Then Edmund notificed the snow on the lon's head and back. Only a strough would be covered lie that the large of the l

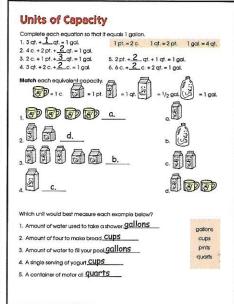
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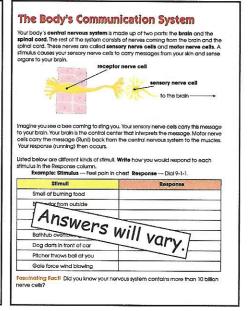
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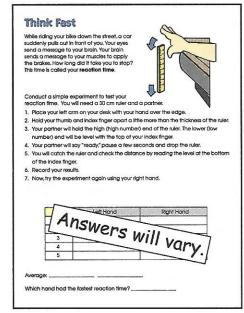


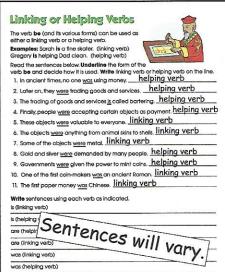


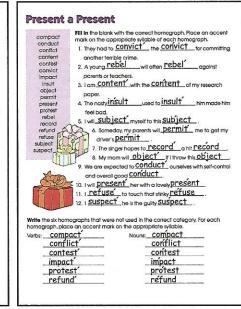


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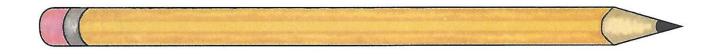


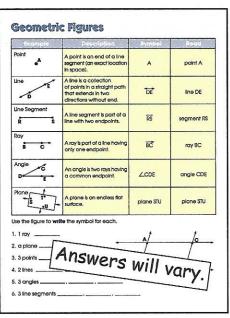


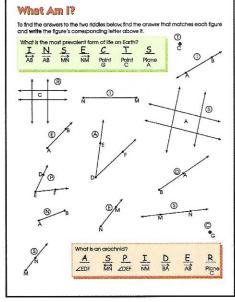


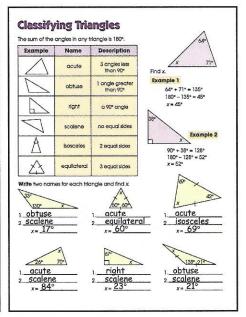
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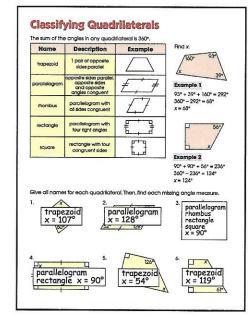


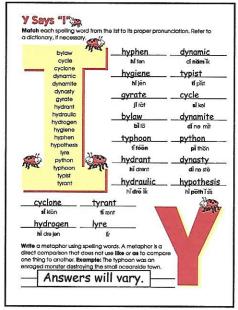




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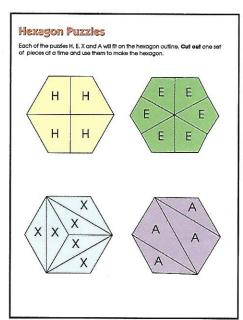
Summer Daze Write the number of the definition that applies to each **bold** word. 3 1. When Mr. Wong works, he never **putters** around. 2 2. Mabel would cop the prize as the best stickball player in the sixth grade. 3. The two small girls will stalk the tiger swallowfall very carefully.  $\underline{3}$  4. The **cop** smiled as Shirley humbly scurried by. 1 5. I would wear gloves if I wished to alimb that spruce in the fores \_2\_ 6. Shirley imagined spiders **stalking** her in the furnace room, 1 7. She never considered that she might cop fruit from the market \_3\_ 8. Will the students spruce up the playground before they leave for the summer? 9. The putter missed the ninth hole by a mile. \_1\_\_10. Shifley discovered that she liked celety stalks very much. stalk 1) a plant stem 2) to stealthly pursue one's prey 3) to walk with a slow, stiff stride putter 1) a golf club used on the green 2) a golfer who putts 3) to work slowly cop 1) to steal 2) to capture 3) a police officer ce 1) an evergreen tree 2) the wood from this tree 3) to make neat

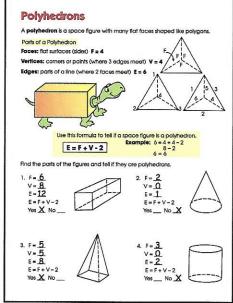
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Read the Information below Underline the two main functions and the main argan of the circulatory system. Then, answer the questions are the circulatory system is expossible for tensporting materials throughout the body and for regulating body temperature. The heart is that to the circulatory system is expossible for tensporting materials throughout the body and for regulating body temperature. The heart is that to the circulatory system is pumps blood to all parts of the body. The blood man carrier nutrients and other important materials to the coils. Blood does corties water products away from cells to disposal stee like the liver. In go, and is the products away from cells to disposal stee like the liver. In classification yet the cloud corties are the products and the state of the body. Warmer blood them the center of the body is brought to the body. Warmer blood the center of the body is brought to the body. Warmer blood the center of the body is brought to the body. Warmer blood the blood to go the thought to the body. Warmer blood the blood to go the blood to go the through the blood to go the blood to go the blood to go the center of the body is the products. In the center of the blood the term of the blood to go the through the to be controlled to the blood to the center of the blood to blood to blood the tens ball in your stonger hand and give it a hard support to bump one beat. Squeeze the ball as hard as you can and release it for the blood to be content to bump one beat. Squeeze the ball as hard as you can and release it for the blood to be content to bump one beat. Squeeze the ball as hard as you can a

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There are two circulatory systems in the human body. Each begins and ends in the heart. The larger system is called the **systemic circulatory system**. It branches out to all parts of the body with oxygenated blood and returns to the heart with "bod blood." The smaller system is called the pulmonary circulatory system. It is much shorter because it travels only to the lungs and back to the heart with oxygenated blood.

because it travels only to the lungs and back to the near win low systemated about, slood vessels that comy blood to the heard are called veils. Those that carry it cavaly are called arieries. Blood from the systemic circulatory system flows from the superior and interior vena covers link the right arithm. Then into the right ventricle and cut through the pullmanary varies to the lungs. At the sorme time, blood from the lungs enters the arithm from pullmanary vains, diops into the left ventricle, is pumpod into the body's larger at riery, called the aorta, then flows into blood vessels that carry it to various parts of the body. aorta superior and inferior vena cava right and left atriums

right and left atriums right and left ventricles pulmonary veins (2) arteries leading from aorta pulmonary arteries (2)

Follow the directions below

- Color the systemic circulatory system red.
- 2. Color the pulmonary circulatory system grey.
- Draw blue arrows to show the flow of the systemic circulatory system.

Draw black arrows to show the flow of the pulmonary circulatory system.

Label the part of the circulatory system isted in the box. If a <u>arteries from aorta</u> system isted in the box. If a <u>arteries from aorta</u> number in parentheses follows a part, label if <u>superior vena cava</u> pthat many times. pulmonary artery pulmonary veins

right atrium

inferior vena cava right ventricle left ventricle left atrium

mpound subject connected by and takes plural verb. ample: Mary and Bill read books.

or a compound subject connected by littler for or neither/nor, the verb agrees with he subject closer to it. txampies: Either my aunt or my uncle takes us to games. Neither my grandfather nor my grandmathers are over 35 years old.

A singular subject takes a singular verb. Example: Bill washes the dishes.

A plural subject takes a plural verb. Example: They watch television.

A singular indefinite pronoun as the subject takes a singular verb (anybody, anyone, everybody, everyone, no one, somebody, someone, something). nple: Everyone enjoys games

te the correct present-tense form of each verb on the line

Agreement of Subject and Verb

- 1. Everyone \_enjays\_\_ wearing interesting hats. (enjoy)
- 2. Many people wear hats for various activities. (wear)
- 3. One factory makes only felt hats. (make)
- Either bamboo grass or the leaves of a pine tree \_\_make\_\_\_ wonderful straw hats. (make)
- 5. Factories <u>produce</u> straw hats, too. (produce)
- 6. Somebody <u>braids</u> the straw material. (braid)
- 7. Either machines or a worker bleaches the braided material. (bleach)
- 8. Chemicals and gelatins <u>stiffen</u> straw hats. (stiffen)
- 9. Ironing finishes the hat-making process. (finish)

Write the spelling words in the correct category. The first one is done for you. banjo Two-Syllable Words ban·jo to·bacc·o portfolio

Tony's Tuxedo

ec.ho ro.de.o h a . 1 o tom.a.to mos · qui · to si.lo

soprano ze.ro stereo studio

so·pra·no ratio stereeo tux.e.do <u>buf.fa.lo</u> tor.na.do

stu.di.o pat.i.o

port.fo.li.o

Alliteration is a poetic device that groups words together with the same initial sound. Write a sentence using alliteration that includes at least two of your spelling words. **Example:** Tony the tourist tried to tuck in his untidy tuxedo during a terrible

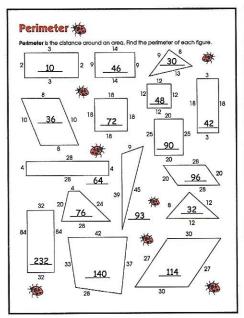
Answers will vary.

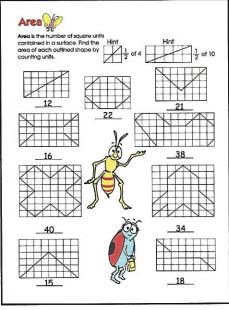
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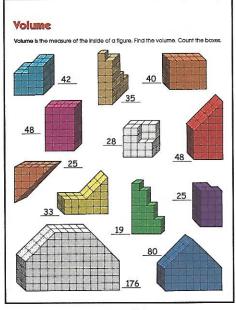
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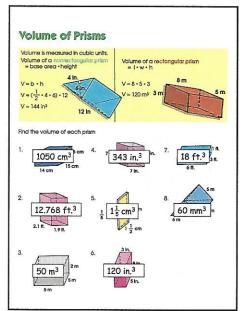


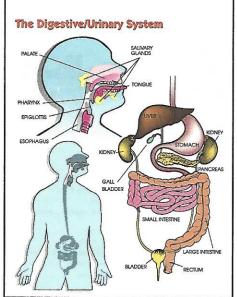




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Comparing With Adjectives

The comparative form of an adjective is used to compare two nours. It is formed in two ways: by adding the suffice of the adjective or by using the words more or less with the adjective or by using the words more or less with the adjective.

Dovid is not faster runner than Thomas. Dovid is more diligent at track practice than Thomas. Dovid is more diligent at track practice than Thomas. The superlative form of an adjective is used to compare three or more nours. It is also formed in two ways by adding the suffice sto the adjective or by using the words most or least with the adjective or by using the words most or least with the adjective. Examples:

David is the fastest runner on the track team.

Citate the adjective of comparison in each of the following sentences. On the line, write if the adjective is written using the comparative form or the superlative.

1. Central High has the@nortestDasketball team in the league. Superlative.

2. One of their (nost still Dollays is to pass the ball through their apponents' legs. Superlative.

3. Cantral whas a lot of games because the team's players are (nore cleve) dibbles than the apposing players. Comparative.

4. The apposing team the Excellipsecause Central dibbles circles around them. Comparative.

5. The Coughest game of the year was against South High. Superlative.

6. Central's capitaln wan the game with the (anciest) that of the game. Superlative.

**Desert Merchant** Possessive Nouns mercant's mercury's chemical symbol referee's decision 4. thermostat's temperature serpent's scales
 intern's patient clerdy's church
clerk's store
desert's sand derby patto's potted fern sherbert Susle's crange reserve gas tank's dessert diner's delicious mathematician's error fertilizer Carol's constant concern slck child's temperature Use the nouns from the list to form possessives in a few sente Sentences will vary.

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**Understanding Rembrandt** Answer the questions below from your reading of Rembrandt. True or Folse
Rembrandt . . .
\_\_\_\_\_\_ was one of the greatest artists of all time. F was born on July 15, 1606, in Florence, Italy.

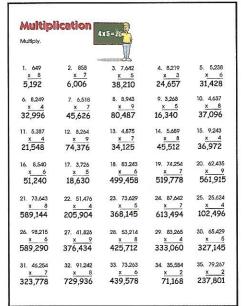
T began painting at an early age.

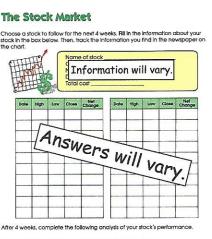
E traveled to Amsterdam at the age of fifteer veled to Amsterdam at the age of fifteen to study architecture. Rembrandt used soft bright colors and glossy paints. a wealthy and educated girl named Saskia.

a poor girl from Amsterdam named Saskia. Check and write: Although Rembrandt was successful as an artist,

If tragedy good fortune began to strike his family. Three of his 4 children died at a very early age. In 1642, Rembrandt's father died. Rembrandt's sadness caused him to use 🔀 darker 🔲 lighter colors. Check, circle and write: Rembrandt died on October 4, 1700. Rembrandt's most famous painting was called The Night Watch. Rembrandt's works included: 

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- What was the highest price per share during the past 4 weeks?
- At that price, what would have been the total value of your stock? 2. At intal price, what would have been the fact watch by your stock?

  3. If you had sold your shares that day, what would have been your profit or loss?

  4. What was the lowest price per share during the past 4 weeks?

  5. At that price, what would have been the total value of your stock?
- 6. If you had sold your shares that day, what would have been your profit or loss?

This, That, These, Those

The adjectives this and that are singular. The adjectives these and those are plure. This and these refer to things that are nearby. That and those refer to things that

Examples: This elevator we are riding is called a "liff" in England Those apartments across the street are called "flats."



Use this and that correctly in the sentences bel

- This cookle I have in my hand is called a "biscuit" in England.
- 2. That \_\_car trunk over there is called a "boot."
- 3. This parking lot is called a "car park."
- 4, \_\_That\_\_ vacation we took last year would be called a "holiday."
- 5. That box of French fries Monica has is called "chips.
- 6. That can of fruit on the shelf is called a "bottle" of fruit.

- 1. Those dollars she is handing you are the English form of currency called "pounds."
- 2. Isn't it interesting how those baby carriages across the street are called "prams"?
- Those bathrooms we just passed are called "loos."
- Those 7 gallons of gas you purchased at the last gas station would be called "petrol" in England.
- 5. All <u>Those</u> soccer games you had fun playing in would be called "football games."
  - 6. These differences show that even though people in both countries speak English, we are separate and unique in our own language.

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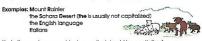
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## **Proper Nouns and Adjectives**

Proper nouns and adjectives always begin with a capital letter



Underline each geographical name that should be capitalized.

Underline each geographical name that should be capitalized.

Quitalia is the smallest continent on Earth. The western half of this continent is deminated by the great standy desait, the glibban desert and the great victoria desert. Two mountain ranges, the macdannel range and the musgrave grage, are located in this seed. The great dividing range is a long mountain chain that runs along austrelia's eastern coastline. Surrounding this small continent are the Indian cocon. The timer sea, the corduct sea, the cord sea and the pacific seen. Provided the great barrier reaf, which lies between its northeast thereline and the godg sea.

Commany have read about the great barrier reaf, which lies between its northeast thereline and the godg sea.

Commany the standard into strain and consist western australia, south australia, the northean teathray queenstand, new south wates and visitagis in the capital or quartella is carabieria, which is located in new south wates, list highest point is mit locatious, which is located in new south wates, list highest point is mit locatious, which is southward of combern, two large and murroy rivers frow through the southeast comes. Much of quartella's and is used for grazing ineep and cattle.

Underline each word that should be capitalized.

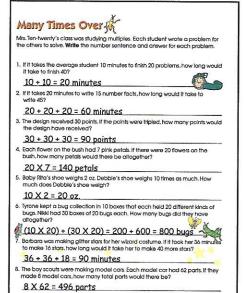
- 1. americans and the english speak the english language.
- 2. english is a germanic language, as are german and dutch.
- swedish, norwegiañ and danish are also germanic languages. 4. Italian and spanish are two romance languages.
- 5. The romance languages come from latin, the language of all romans.
- 6. The languages of the russians, poles, czechs and slavs have a common origin.
- 7. Many africans speak hebrew and arable.
- 8. The language of Indians and pakistanis is hindustani.
- 9. Many american students study french and german.
- 10. spanish and latin are also often studied.

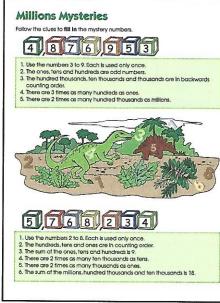
Scrambled Eggs Unscramble each group of letters to spell a word from the list. <u>leather</u> hhetal <u>health</u> wealth meant sweat \_ dhtrae thread rddge dread \_\_tterah \_\_threat heavy etehan weather ayveh dtare tread \_\_\_\_ oanwpe\_\_\_weapon\_ tekarbast breakfast saatnel instead dsarpe spread cosenal cleanse herrate feather ebhatr breath Which sound does eg make in each word? Short e Write two other words that have the ea comb make the short e sound. Answers will vary wo sets of two)

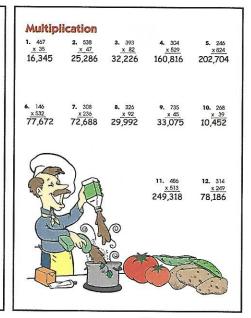
A Land of Many Peoples The iroquois were a group of tribes joined together by a common language. Their enemies, the Algonquin, were several tribes of another language group. Heletines, in angual quar, were servation titles or containing and graphing vision. Littlet below or the names of some Native American fitbes and the states that claim them, Remember that Native Americans often moved from state to state, write oach thick some in or by its state name on the map. Then, color so that the correct color. The colors symbolize common language groups. Troquois Shoshoni Penobscot **Yakimas** Ojibway Illinois Crow Sioux Algonquin Osage Leni Shasta Apache Navajo Seminole Arapaho Chickasaw Cherokee

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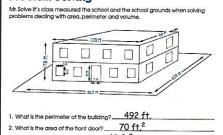




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- 3. What is the area of a window? 48 ft?

**Problem Solving** 

- 4. There are the same number of windows on the other two sides of the school. If glass for the windows costs \$8.25 a square foot, how much would it cost to replace the glass in all the windows? \$9,504.00
- 5. What is the perimeter of the property? 2,982 ft.
- 6. What is the area of the property? 542,198 ft.2
- 7. What portion of the property is not used for the school building?\_ 530,094 ft.2
- 8. What is the volume of the school building? 944,112 ft.3

Find the dimens Answers will vary. 1 to 8 using those figures on anoth

Adjectives and Adverbs Adjectives describe or modify nouns, They fell what kind, how many or which one Examples: a fall building (what kind) three buildings (how many) that building (which one) Adverbs usually describe or modify verbs.

They tell how, when and where the action of a verb is performed. Examples: He ran quickly. (how) He ran today. (when) He ran away. (where) Pircle the adjectives and underline the adverbs.

In the blank, write what each one tells about the noun or verb it n In the blank, write what each one tells about the noun or verb it modifies.

1. a spall on the blank of the b when/how 3. ran <u>outside</u> where 11. fell forward where
4. the <u>Cockled agg</u> what kind 12. wake <u>oarly</u> when 15. fell forward that kind 12. wake <u>oarly</u> when 13. the <u>Circel</u> worker what kind 3. ran outside where 56\_everytracors

6. discussed later When 146\_everytracopes how m
76\_eprose which one 15\_soffly whistled how when 14 several pages how many 8. guilckly covered how 16. hidden nearby where Rewrite each sentence adding an adjective and an adverb. Circle at the adjective and underline all the adverbs in the new sentences. 1. The pand melted in the sunshine. \_ Sentences will vary. 4. Turtles sunned themselves on the rocks.

More About Adverbs Adverbs that modify verbs function as adverbs of time, place or manner. Adverbs that modify adjectives or other adverbs function as adverbs of degree, also called intensifiers. Examples: We went to the big game today. (time)
People were selling programs everywhere. (place)
He was really fired after his workout. (degree) Circle each adverb. Tell if it is an adverb of time, place, mo 1. The roads were Impassable because it snowed today time 2. We unwillingly resigned ourselves to staying at home. manner 3. Could we travel there in this storm? place 4. We would be greatly cheered by a weather change. degree Circle each intensifier, or adverb of degree. Draw an arrow to the word it modifies. On the line, identify the modified word as an adverb or adjective.

1. She was faulte eality upset by any change in pions. adverb 2. We mode(mither) extensive plans for our summer vacation, adjective
3. We are planning an(extremely) exciting trip, adjective
4. She@firmity refused to go at all, adverb Many adverbs have a positive, a comparative and a superlative form. soon softly sooner, more softly soonest, most softly Rewrite each sentence twice. Use the comparative form of the underlined adverb first, then use the superialive form. He ran faster in the race.

He ran fastest in the race, She walked home from school aulckly.
 She walked home from school more quickly.
 She walked home from school most quickly.

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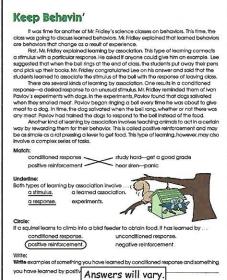
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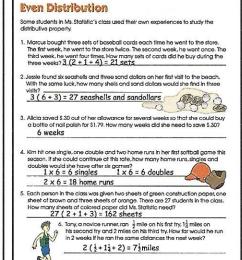
#### Confusing Adjectives and Adverbs Good, bad, sure and real are adjectives. They modify nouns. Examples: That was a good dinner. He made a bad choice. Badly, surely and really are adverts. They modify verbs, adjectives and other adverbs. Examples: He ran badly. He really wanted to go. Better, worse, best and worst are adjectives if they modify nouns. They are adverbs if they modify verbs, adverbs or adjectives. Examples: That's my best work (adjective) He sana best last night, (adverb) Well is an adjective if it refers to health. Well is an adverb if it tells how something is done. Examples: She feels well today (adjective) He rode the horse well. (adverb) Circle the correct word in parentheses. On the line, write whether it is an adverb or adjective. Then, underline the word(s) in the sentence it modifies. 1. Tim was (sure) surely) he could go to the museum. adjective 2. He wanted to go with his friends (badby) adverb 3. He (sure surely) could finish his work before noon. adverb 4. Susan had done a good well) job of convincing him to try. adjective 5. Tim thought he could manage (good better) with a schedule. adverb 6. He could make (bette) well) time if he was organized. \_adjective 7. His <u>list</u> of chores was <u>(worse)</u> bad) than he thought, <u>adjective</u> 8. Tim first cleaned up his room (real, eally) well, adverb 9. He just had to see the real really) dinosaur fossil. adjective

10. Tim felt(well)good) and whistled as he worked. adjective

12. It turned out to be a really) pleasure to help. adjective

11. He always worked (best)good) under pressure. adverb



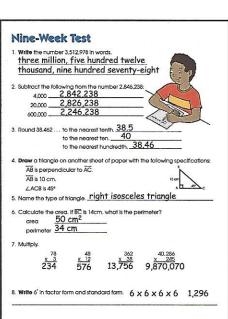


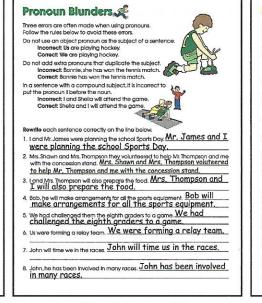
Extension: Design an art project. Figure how much of each type of material you will need.

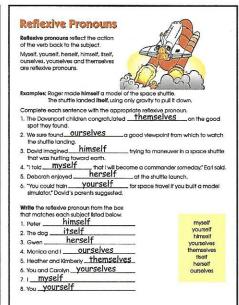
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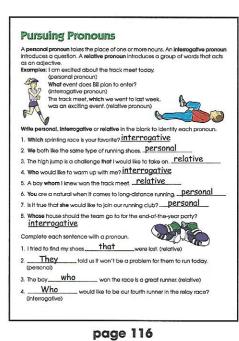


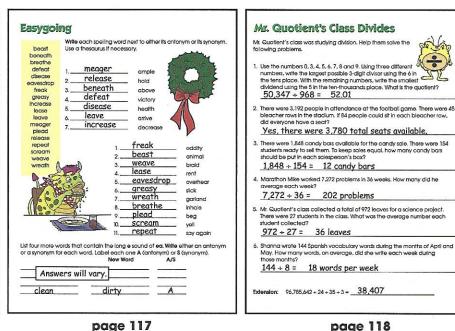




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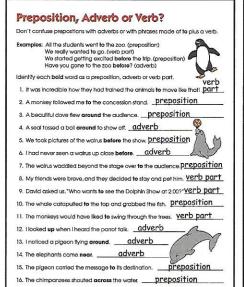
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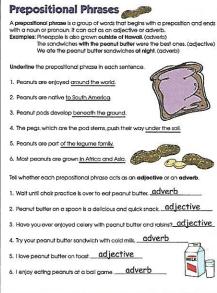


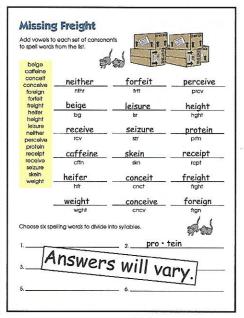


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have a child disregard

## **Answer Key**

#### What's the Difference?

One day, David and Donold were discussing diligators. David insisted that oilligators and aroccolles were the same animal but that people called them by different names. Donold Insisted, however, that the revenue of animals were entirely different relating the part of t

- fourth tooth shows when mouth is shut round snout fourth tooth is in a pocket in upper jaw pointed snout Answers may include: bys they tough hide crocodiles are lighter

short leas long, powerful tail crocodiles are faster

Name two other animals that are sometimes thought to be the same. Answers will vary. toad frog

Missing Signs (Fill in the circles with +,-, x, or + to make the problem true. 3 1 3 1 3 - $3 \oplus 3 \otimes 3 \longrightarrow 18$  $3 \stackrel{\mp}{\stackrel{1}{\times}} 3 \stackrel{\mp}{\stackrel{1}{\times}} 3 \longrightarrow 3$  $3 \stackrel{\times}{\underset{\pm}{\downarrow}} 3 \stackrel{\times}{\underset{\mp}{\downarrow}} 3 \longrightarrow 3$ 3 + 3 + 3 -**→** 2 3⊗3⊙3— 3⊙3⊗3 → 0 3 ⊕ 3 ⊕ 3 — 3 ⊗ 3 ⊕ 3 — 3 ⊗ 3 ⊗ 3 → 27 → 12 5 · 5 · S · 5 · - $5 \otimes 5 \odot 5 \longrightarrow 20$ **→** 50 5 1 5 2 5 5⊕5⊕5— 5 € 5 ⊕ 5 -5 × 5 × 5 -**→** 30 5⊕5⊕5 → 2 5 © 5 × 5 -5 5 5 5 5 ⊕ 5 ⊕ 5 — **→** 15

Fill in the blanks to make each problem true. To check your work, start at the left and do each operation in order to get the given answ

A Number Challenge

10. \_\_ x \_ 20 8 15. 24

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#### Skill Lessons

Penguins are unusual birds found in

Antarctica and other southern locations. They spend a lot of time in the icy They spend a lot of time in the icy ocean waters, yet they do not get cold. They are covered with short thick feathers that help to keep them warm. Plus

They are covered with short thick feathers that help to keep them warm. Plus, beneath their skin, penguins have a layer of blubber. These thick layers of fat keep the penguins, called chicks, do not have as much insulation as their parents have. They do not yet have blubber or waterproof feathers to keep them warm and dry. The chicks' fulfly down feathers plus their parents' body heat keep them safe from the cold. A small penguin may huddle under the warm body of an adult, and sometimes the adults form a light chick around a group of several chicks and eventually the little penguins will be able to survive on their own.

Complete the article by adding a final paragraph.

Paragraphs will vary.

### The Mischievous Thief

Use the code to retrieve the stolen words, Crack the code by assigning a number to each letter of the alphabet. Example: A =1, B = 2 $\frac{a}{1} \frac{n}{14} \frac{c}{3} \frac{i}{9} \frac{e}{5} \frac{n}{14} \frac{t}{20}$   $\frac{p}{16} \frac{i}{9} \frac{e}{5} \frac{r}{18} \frac{c}{3} \frac{e}{5}$ field 6 9 5 12 4 ¥ i e l d 0 shriek 19 8 18 9 5 11 <u>niece achieve</u> <u>siege shield</u> brief hosiery



<u>piece kerchief</u>  $\frac{m}{13} \frac{i}{9} \frac{s}{19} \frac{c}{3} \frac{h}{8} \frac{i}{9} \frac{e}{5} \frac{f}{6}$ retrieve

# **Beth Is Sick**

Poor Beth is sick, and she doesn't know why. She felt great yesterday, but this morning the woke up with a headache, a fever and a horntale sore throat. Beth is disappointed beacure today's the day the class is going to the new science museum. Wy did she have to be sick on a felt fit today't how did she get it is a quickley. Beth why did she have to be sick on a felt fit today't how did she get it is a quickley. Because they parmed to be feld the portners, if m's teath year beth grant get to be feld the portners, if m's teath year beth grant grant to be feld the portners, if m's teath year beth grant grant year and to be feld the portners, if m's teath year beth grant year of pictier to school voteration, and it was a cold day. She fells because the didn't ward a pictier to school vetterday, and if was a cold day. She fells Beth that if your body gets cold, you cotch germs more easily. Beth fells film that is sill, she believes kirn had a vivua. Beth remembers learning about viruses in science class. Mr. Fridley told them that viruses are nonceallust structures that can only be seen through an electron microscope, which mognifies them thousands of times. On its own, a virus is a lifeless particle that can't reproduce, but when a virus enters o living cell, it storts reproducing and can sometimes harm the host cell. Viruses that harm host colls cause discoss like clicken pack, the flu and colds. Mr. Fridley told them that shocking hands with or bled sneezed or coughed on by an infected person may infect you with the virus. Beth believes that she become infected from someones shoc lots of geople are sick at this eves that she became infected from someone since lots of people are sick at this a of year. Kim promises Beth a full report on the science museum.

Underline the main idea of the story.

Beth has a headache, fever and a sore throat

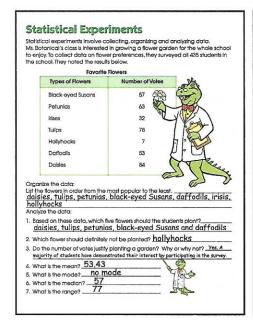
Path and kim try to discover why Beth is sick. Beth and Kim try to discover why Beth is sick.
Viruses cause diseases.

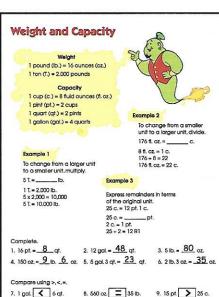
□ can't be seen through an ordinary light microscope.
 □ poss easily from one person to another.
 □ are thousands of times bigger than regular cells.
 □ enter living cells and start reproducing.

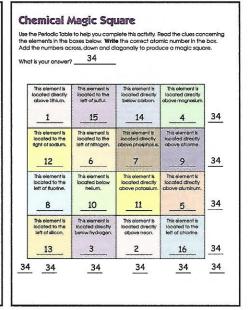
What are some Answers will vary.

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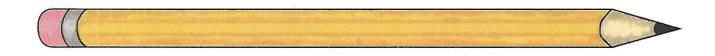


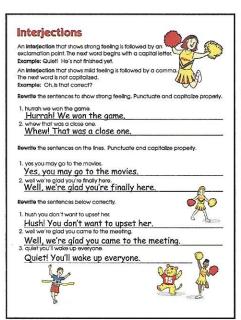




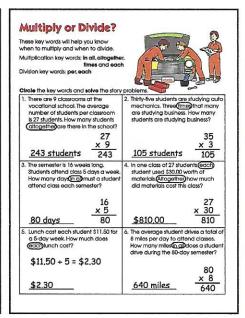
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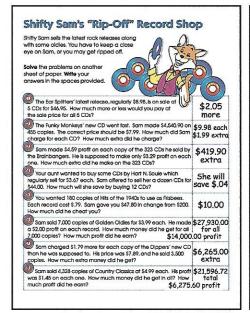


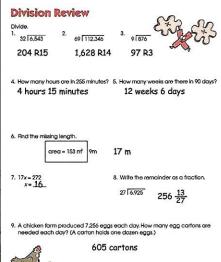




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#### **Testing for Starch**

Starch is found in many foods and plants, lodine is an indicator of starch. It turns blue-black when placed on a substance containing starch, Safety Note todine can be dangerous. Do not taste, split or misuse it in any way. Place a drop of lodine on each of the substances listed in the chart. Record the results. The first one is done for you.

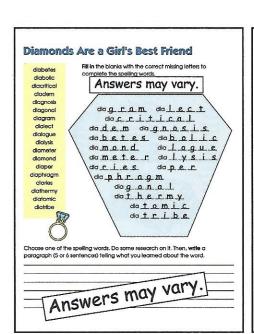
Sibilance		Starch: Ves or No
white bread	blue-black	yes
brown bread	blue-black	yes
dry cereal	blue-black	yes
brownisof	blue-black	yes
popped popcorn	blue-black	yes
oatmeal	blue-black	yes
orange peel	brown	no
lemon peel	brown	no
liquid starch	blue-black	yes
пемерарег	brown	no
paper towel	brown	no
fissue	brown	no
water	brown	no
alcanal	brown	no
dish soap	brown	no
cloth	brown	no

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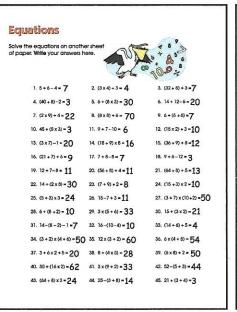
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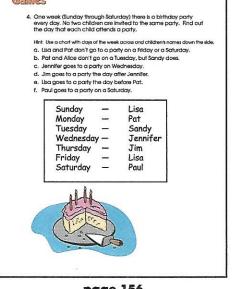
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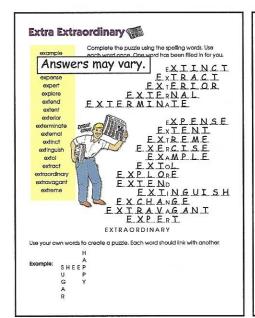


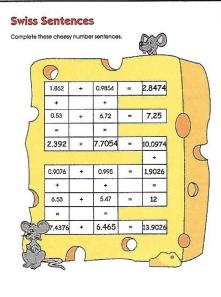
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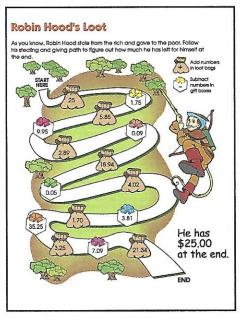




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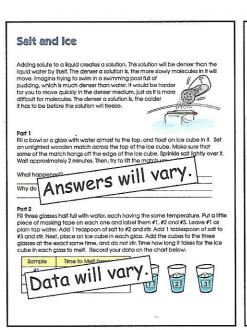


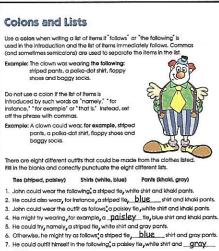


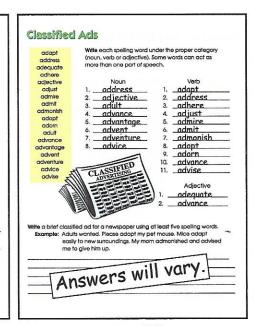
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8. John could choose a last choice as follows, a paisley tie, blue shirt and

gray pants.

#### Charting the Weather

For four months, the students in Ms. Forecaster's class charted the sunny, partly sunny and cloudy days. The following chart shows their findings to the nearest

How many more sunny days did January have than December?

In November, how many more cloudy days were there than sunny days?

3. How many more partly sunny days were there than sunny days in January?

4. What is the difference in days between the month with the most cloudy days and the month that had the fewest cloudy days?

Which month had the most cloudy days? Which month had the fewest cloudy days? How many total cloudy days were there in these four months?

Extension: Find the total number of sunny, partly sunny and cloudy days in these four months. Then, find the average number of days for each type of

Sunny: 35.1 days Partly Sunny: 53.6 days Cloudy: 34.3 days

Sunny: 8.8 days Partly Sunny: 13,4 days Cloudy: 8.6 days

2.1 days

2.9 days

8.3 days

8.9 days October/5 days January

December/October 34.3 days

#### Acids and Bases

Acids and bases are chemical compounds. Some of these compounds are strong and abrasive. Many are used as cleaning agents. Litmus paper is an indicator, indicators are affected when acid or base is present in a substance. Blue litmus paper turns red when dipped in an acid. Red litmus paper turns blue when dipped in a base.



Use blue and red litmus paper to test each one of the substances on the chart. Record the results by writing the color the paper turns when dipped and whether the substance is an acid or a base. The first one is done for you.

Substance	Blue Ulmus	Red Limus	Acid, Base or Neithe
lemon juice	red	red	acid
vinegar	red	red	acid
ammonia	blue	blue	base
orange Juice	red	red	acid
tea	red	red	acid
milk	blue	red	neither
baking soda and water	blue	blue	base
cleanser and water	blue	blue	base
water	blue	red	neither (b)
vinegar and salt	red	red	acid
grapefruit Juice	red	red	acid
antacid pilis and water	blue	blue	base
cola	blue	red	neither (a)

#### Semicolon

A semicolon is used to join two independent clauses that are closely related if a conjunction is not used. An independent clause is a group of words that could stand as a complete sentence by itself.

Read each pair of sentences. Rewrite those that could be joined by a semicolon.

- 1. The tiny hummingbird builds a small nest, its jelly bean-sized eggs fit nicely into it, The tiny hummingbird builds a small nest: its jelly bean-sized eggs fit nicely into it.
- 2. Some birds build with unusual materials. You may find string or ribbon woven Into a nest, Some birds build with unusual materials; you may find string or ribbon woven into a nest.
- 3. A nest's location can tell you a bird's diet. Most birds live near their food supply. A nest's location can tell you a bird's diet: most birds live near their food supply.

  4. A gull's nest is on the shore. Gulls eat fish and other kinds of seafood.
- A gull's nest is on the shore; gulls eat fish and other kinds of seafood.
- A woodpecker lives in a hole in a tree; it eats insects that live in trees.
- 6. Some birds take over old nests. Purple martins live in birdhouses. These sentences are not closely related.
- 7. A woodpecker makes a hole to live in and later moves out. An elf owl moves right into it. A woodpecker makes a hale to live in and later moves out: an elf owl moves right into it.
- 8. A swan builds a nest among the reeds. The reeds help hide the nest from the swon's enemies. A swan builds a nest among the reeds: the reeds help hide the nest from the swan's enemies.

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#### You're a Pro

- 1. probe 2. produce 3. profane
- A. create: vegetables
- 5. profound 6. progress 7. prohibit
- 8. project 9. prolong
- 10. promote 11. pronoun
- 12. pronounce 13. propel 14. proportion
- 15. propose 16. prosper 17. protein

18. provoke

2 7 8 12 8 5 11 15 13 17 6 3 4 <sup>^</sup>16 | <sup>^</sup>10 9

G, a replacement for a noun O, agreement to do something H, suggest P, to lengthen

I. move forward

an essential part of diet

J. an essential part of alet
K. growth; to improve
L. blaphemous
M. have good fortune
N. to raise to a higher level

Check your work by adding each row and then each column of numbers. If all the sums are the same, you have matched correctly.

C. stir up; make angry

D. speak clearly; ar E. stick out; a plan early; articulate

Write the two words that were not included in the square

2 proportion probe Write the six words that can be used either as nouns or as verbs. probe 2. produce promise 4. progress project 6. proportion

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### Comparison

Mr. Bigfoot's class was comparing numbers by multiplying decimals. Round your answer to the nearest hundredth.



1. Andy's shoe is 10.4 inches long. Tony's is 1.2 times as long. How long is Tony's

12.48 inches

2. Alicla can jump 24.8 inches. Jill can jump 1.05 times as high. How high 26.04 inches

- The paper basket holds 288 sheets of paper, It is 0.25 full. How many
- Misha's dag weighs 98.5 pounds. Tom's dag weighs 1.25 times as much. How much does Tom's dag weigh? 123.13 pounds
- 5. The area of Mr. Bigtoot's classroom is 981.75 square feet. The gyrn is 4.50 times as large. What is the area of the gyrn?

  4.417.88.square.feet
- 6. The box holds 48 pencils. It was 0.75 full. How many more pencils would fit
- 12 pencils 7. Amy is 5.250 feet tall. The ceiling is 2.075 times Amy's height. How tall is

celling? 10.89 feet Extension: Place the decimal point in the underlined number.

1. 213.05 x 2.3 = 490.015 2. 4.87 x 0.46 = 2.2402 3. 60.1 x 0.08 = 4.808

Circumference of Circles Circumference is the distance around a circle  $C = \pi \times d$   $\pi(pi) \approx 3.14 \text{ or } \frac{22}{7}$  (= means approximate) equals to) d = diameter equals to)
Use  $\pi \approx 3.14$  and round to the nearest one. Example 2: The radius of the circle is 16 mm. C=πxd C=3.14x8.6 8.6 km Diameter is twice the radius So, d = 16 x 2 = 32 C = 3.14 x 32 C ~ 27.004 km C ~ 27 km C ~ 100.48 mm C = 100 mm Example 3: Find the perimeter of the figure. Circumference of the circle ~3.14 x 3 ~9.42 m 11 m 9.42 + 11 + 11 = 31.42 m Find the circumference of each circle. Use  $\pi \approx 3.14$  and round to the nearest one 7.5 km 22 cm 18.9 m 24 dam 69 cm 48 km Find the perimeter of each figure. 57.98 cm 21.71 dm

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Rewrite each sentence below, replacing the word fine with one of the synonyms given. Since the synonyms have slight differences in meaning, be careful to choose the correct one.

Fine: clear, delicate, elegant, small, sharp, subtle



- The queen wore a fine gown encrusted with Jewels.
   The queen wore an elegant gown encrusted with jewels.
- 2. I wash this blouse by hand because of its fine lace collar.

  I wash this blouse by hand because of its delicate lace collar.
- The sand in an hourglass must be very fine to trickle as it does.
   The sand in an hourglass must be very small to trickle as it does.
- 4. We need fine weather for salling.

  We need clear weather for sailing.
- Dad used a whetstone to put a fine edge on the knife.
   Dad used a whetstone to put a sharp edge on the knife.
- 6. Sometimes there is a fine line between innocence and guilt.

  Sometimes there is a subtle line between innocence and guilt.

#### Shopping for Soccer Supplies

The soccer fearn members needed to buy their own shin guards, socks, shoes and shorts. A couple of the players volunteered to do some comparative shopping to find the store with the best deal. Use their chart to answer the questions below.

or ourse commun.	JOE'S SOCCER
Socks 3 pairs for \$9.30 Socks	
Shoes 2 pairs for \$48.24 Shoes.	3 pairs for \$84.15
Shin Guards 4 pairs for \$32.48 Shin Guards.	ords 5 pairs for \$35.70
Shorts	
Which store had the better price for socks?	Sports Corner
How much less were they per pair?	\$0.32
Which store had the better price for shin guards?	Joe's Soccer
How much would you save per pair?	\$0.98
How much would one pair of shoes and socks cost Joe's Soccer?	s31.47
How much at Sports Corner?	\$27.22
Which store had the better price for shorts?	Joe's Soccer
How much less were they per pair?	\$2.97 less
Total the price per pair for each item at each store	h.
If you could shop at only one store, which one would give you the best overall deal?	Sports Corner

What kind of problems will these decirnal glasses help you solve? Solve the problems. Then, write them in descending ander (from greatest to least) benealt the blanks at the bottom of the page. With each matching letter above the number to salve to the riddle. 0 1.24 0.4712 S 2,1 8.4 = 21. 84. V 0.36 1.872 0.38 N 8 1.12 D 0.3 17.7 1 6 126. 21 59 0.14 .082 0.3772 - 7.4 103.6 1 5.5 3.025 14 0.55 DI-VISION

Dividing by Decimals

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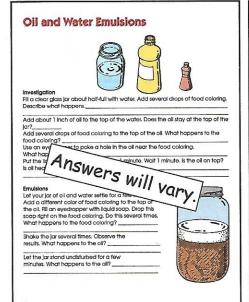
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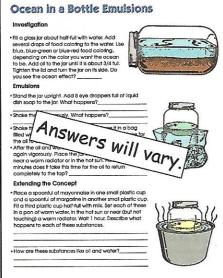
\$0.30

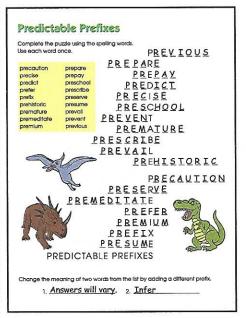
How much would you save?

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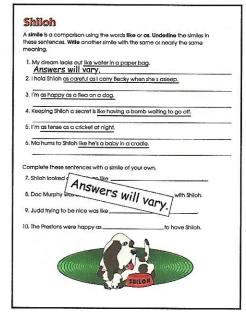


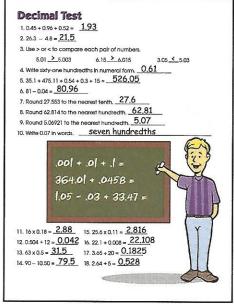


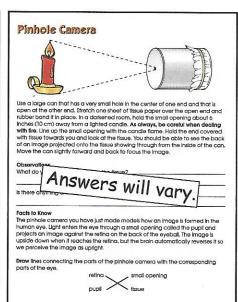


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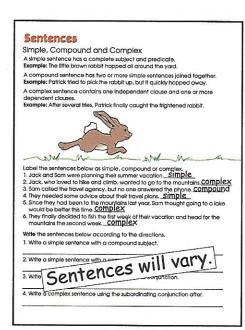


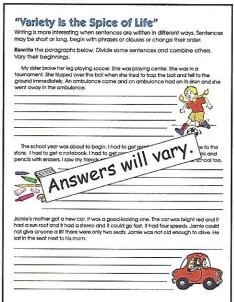


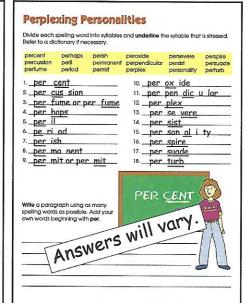
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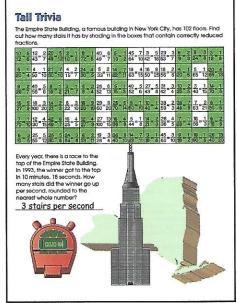


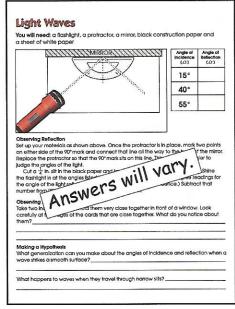


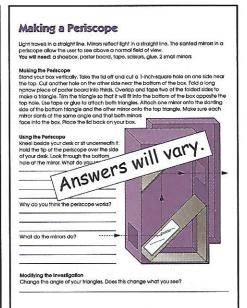


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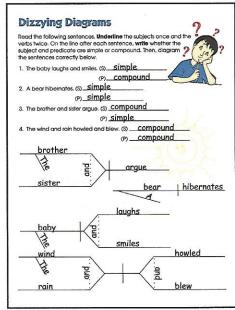


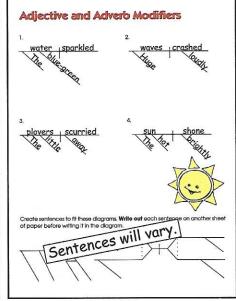


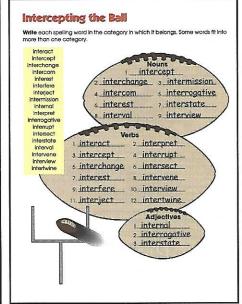


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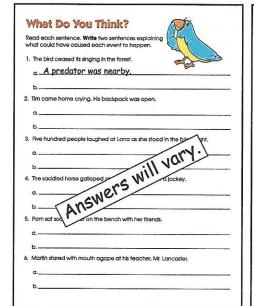


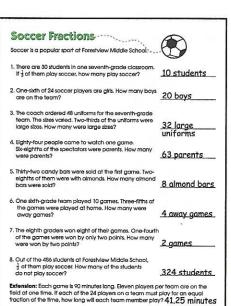


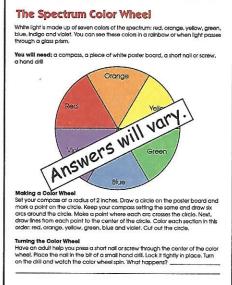




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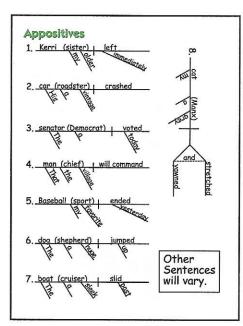


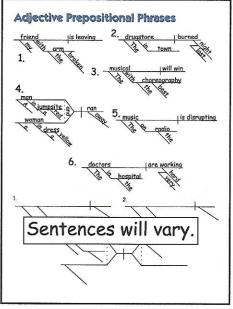


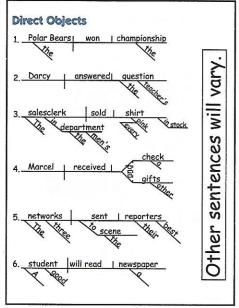


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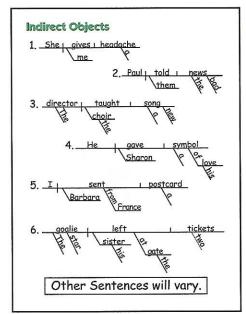


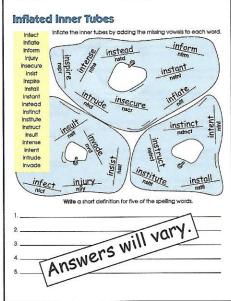


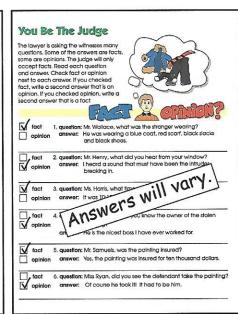




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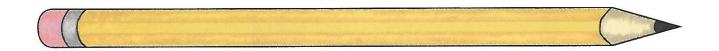


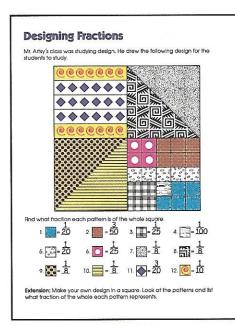


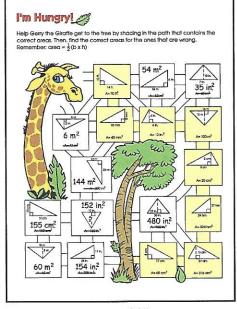
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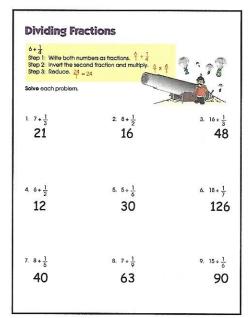


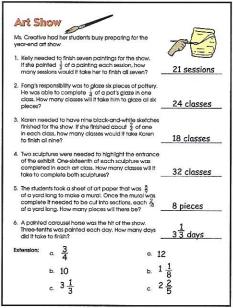
Alphabetizing Champion Write each spelling word in the correct category and in alphabetical order. religion collection champion auction competition cushion collection companion onion mention companion champior digestion onion cushion election portion location auction region occupation election opinion position operation competition location religion occupation mention digestion operation position 0

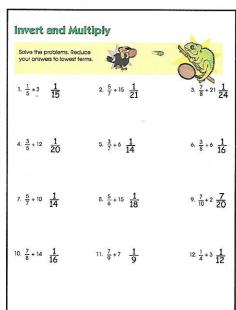
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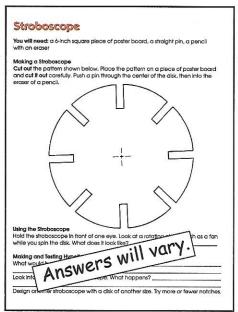


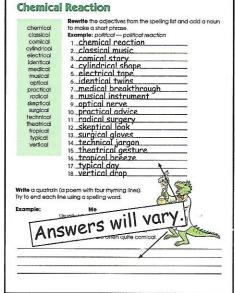


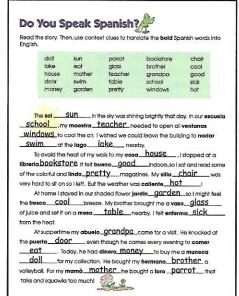


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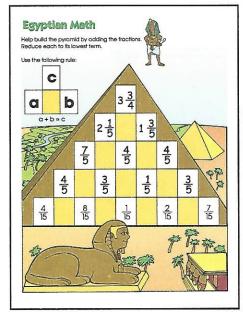


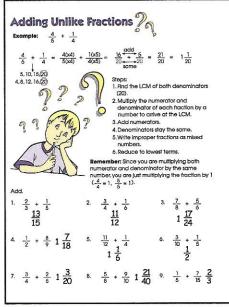


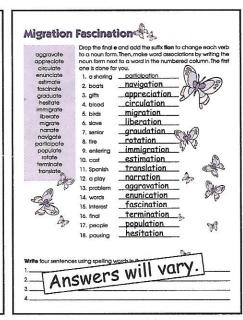
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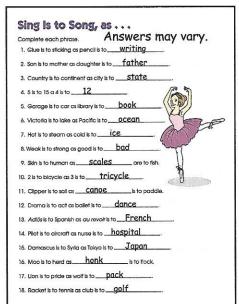


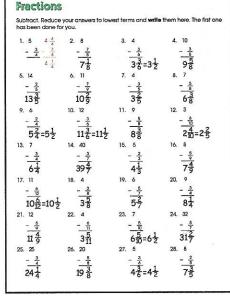
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Fraction Frenzy Subtract, Reduce your answers to lowest terms and write them here. <u>- 출</u> 12 20 = 중 4 12 5 12 15 2 15 5 3  $\frac{\frac{2}{14}}{\frac{8}{14}} = \frac{4}{7}$ 20. 8 2 0 21.  $\frac{6}{8}$   $\frac{-2}{10}$   $\frac{10}{10}$   $\frac{5}{8}$ 23. 24. 5 - 5 7 16 8 24 27. 6 28. 7  $\frac{\frac{2}{12}}{\frac{4}{24}} = \frac{1}{6}$  $\frac{-\frac{1}{6}}{\frac{5}{10}} = \frac{1}{2}$ 

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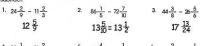
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4. 
$$19\frac{1}{4} - 12\frac{2}{3}$$
 5.  $17\frac{4}{5} - 8\frac{1}{4}$  6.  $50\frac{2}{9} - 20\frac{1}{2}$  6  $\frac{7}{12}$  9  $\frac{11}{20}$  23  $\frac{13}{18}$ 

7. 
$$10\frac{1}{2} - 3\frac{2}{3}$$
 6  $\frac{5}{6}$  8.  $12\frac{1}{6} - 7\frac{2}{3}$  4  $\frac{8}{15}$  9.  $\frac{26\frac{5}{12}}{16\frac{12}{12}} = 10\frac{3}{4}$ 



The World Trade Center towers in New York are so large and tall that each tower has Z I P CODE

To find the answer, follow the directions below.

Put an O above number 5 if the estimated difference between 13  $\frac{1}{3}$  and 5  $\frac{1}{7}$  is 8. Put an A above number 6 if the estimated difference between 21  $\frac{5}{6}$  and 9  $\frac{4}{9}$  is 12. Put an R above number 4 If the estimated difference between 16  $\frac{9}{20}$  and 13  $\frac{11}{15}$  is 3. Put a B above number 1 if the estimated difference between  $8\frac{3}{5}$  and  $3\frac{7}{5}$  is 6. Put a C above number 4 if the estimated difference between  $25\frac{7}{20}$  and  $13\frac{7}{12}$  is 11. Put an E above number 7 if the estimated difference between  $32\frac{7}{15}$  and  $14\frac{9}{16}$  is 17. Put a P above number 3 if the estimated difference between 585 and 423 is 16.

Da

between  $30\frac{13}{20}$  and  $19\frac{7}{18}$  is 12.

Put an Labove number 1 if the estimated difference een  $11\frac{5}{7}$  and  $5\frac{2}{5}$  is 6.

Put a Z above number 1 if the estimated difference between  $16\frac{3}{8}$  and  $9\frac{3}{7}$  is 7.



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 $7\frac{3}{12} = 7\frac{1}{4}$ 

8.  $\frac{5}{6}$  x 15 = 12  $\frac{1}{2}$  9.  $4\frac{1}{4}$  x  $\frac{2}{5}$  =

11.  $7 \times \frac{3}{5} = 1\frac{4}{5}$  12.  $\frac{3}{7} + \frac{4}{5} = \frac{15}{28}$ 

14.  $2\frac{6}{7} + \frac{5}{14} = 8$  15.  $\frac{1}{2} + \frac{1}{3} = \frac{3}{2} = 1\frac{1}{2}$ 

#### Research Time

Mr. Write-A-Lot assigned research papers to his class. He divided the class into two groups. One person from each group was responsible for each part of the research process.

- 1. Marisha and John each found several books on their subjects. If took Marisha  $2\frac{1}{2}$  hours to skim through her stack of books, and it took John  $1\frac{3}{4}$  hours to look through his. How much longer did it take Marisha?  $\frac{3}{4}$  hour longer
- 2. Neal and Geraldo were working on note cards. Neal was able to complete his in 48  $\frac{4}{5}$  minutes, and it took Geraldo 51  $\frac{3}{5}$  minutes to finish his, How much longer did Geraldo take? 2  $\frac{17}{24}$  minutes longer
- 3. Bobby and Gordon found it difficult to write outlines. It took Bobby 38  $\frac{3}{4}$  minutes and Gordon 36  $\frac{3}{4}$  minutes. How many more minutes did it take Bobby? 1  $\frac{11}{12}$  more minutes
- 4. Ant to finish the first dart of her report in  $48\frac{1}{2}$  minutes, while it took Poblo  $51\frac{1}{8}$  minutes to write his. How much longer did it take Poblo?  $\frac{7}{8}$  minutes  $\frac{7}{8}$  longer  $\frac{7}{8}$ . The final draft of their reports went smoothly for Kalle and Loura Kalle Expedies of Iri  $18\frac{1}{8}$  minutes, and Loura's took  $21\frac{1}{8}$  minutes. How much longer did Loura's final draft take?  $2\frac{3}{8}$  minutes longer
- Find out how long it took Marisha, Geraldo, Bobby, Anita and Katle citogether.
  Then, find out how long it took John, Neci, Gordon, Pablo and Laura. Find the difference between the two groups' times.

 $307\frac{7}{24}$  minutes

Extension: Subtract  $2\frac{7}{8}$  from . . . a. 1 1/8

d.  $3\frac{1}{2}$ 443 minutes

b. 21  $6. \ 4\frac{6}{8} = 4\frac{3}{4}$ c. 6 f. 678

262 12 minutes

 $\begin{array}{ll} \text{19.} & \text{Jean gave} \ \frac{3}{6} \ \text{of her allowance} \\ & \text{to her sister and} \ \frac{1}{8} \ \text{of her allowance} \\ & \text{to her brother. How much of her} \ \frac{5}{16} \\ & \text{allowance did she give away?} \end{array}$ 

**Fraction Test** 

4. 19 1 + 4 2=

13.  $\frac{2}{3} + 9 = \frac{2}{27}$ 

20. Jack and Jill had a canteen ful of 5 quarts of grape Julce. They drank 3 \frac{3}{2} quarts. How much was left? 1 \frac{4}{9} quarts

3. 18 1 + 12 1 =

6.  $\frac{4}{5} - \frac{1}{4} = \frac{11}{20}$ 

 $30\frac{3}{3} = 31$ 

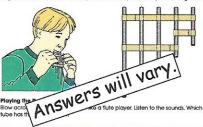
17 = 1 To

Lercy got 7/8 of his
 24 homework problems
 correct. How many
 did he correct? 21

## **Panpipes**

Sound is produced by vibrations. A column of air will vibrate when you blow across it. A short column of air will have a high pitch. A long column of air will

Making the Panpipes
Take five places of tubing that are the following lengths; 6 inches, 5 inches,
4 inches, 3 inches and 2 inches, Lay the tubes in a row, arranging them from
longest to shortest, about 1 inch apart. With the tops even, tape them together.



a flute player. Listen to the sounds. Which tube has th

Blow across the tubes again going first in one direction, then in the other. Describe the sound.

What do you think makes the pitch change?

What would happen if you added and blew on a tube that is 1 Inch longer than the longest tube already on your pipes?

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17. Write \$\frac{3}{5}\$ as a decimal, 0.6

#### Hemispheres

The earth is a sphere. When the earth is cut in half along a vertical or horizontal axis, hemispheres are created. The equator divides the earth into the Northern Hemisphere and the Southern Hemisphere. The prime medid



Study the illustration of the hemispheres. Then, read the following country names. Decide in which two hemispheres (Eastern or Western, and Northern or Southern) each is located.

le: The United States lies in the Northern and Western Hemispheres. alled globe or map to find the exact locations of the countries.

- 1. Australia Eastern / Southern 2. India Eastern / Northern 3. Japan <u>Eastern/Northern</u> 4. Italy <u>Eastern/Northern</u>
- 5. Argentina Western / Southern 6. Ethiopia Eastern / Northern
- 7. South Africa Eastern / Southern 8. Mexico Western / Northern
- 9. China <u>Eastern / Northern</u> 10. Canada <u>Western / Northern</u> 11. Israel <u>Eastern / Northern</u> 12. Chile <u>Western / Southern</u>
- 13. Iraq Eastern / Northern 14. Peru Western / Southern

#### Plotting North American Cities



Determine the approximate coordinates of the North American cities on the map above. Write the coordinates for each city in the blanks below.

1. Soattle	Latitude 46°N	Longitude 122°W	2. St. Louis	Latitude 38°N	Longitude 91°W
3. Kingston	18°N	_74°W	4. Toronto	44°N	79°W
5. Dallas	33°N	98°W	6. New York	42°N	71°W
7. Vancouver	48°N	123°W	8. Monterre	24°N	101°W
9. Managua	13°N	86°W	10. Chicago	42°N	88°W

#### Hhhmm?

Find the answer to the riddle below by solving the following ratios. Put the corresponding problem letter above each answer below. When you have answered the riddle, write each ratio two other ways, then find two equivalent ratios for each one

- E. tennis shoes to sandals 3:6

  N. bare feet to men's dress shoes 5:1

  S. high heels to tennis shoes 2:3
- E.= sandals to bare feet 6:5

- E. men's dress shoes to high heels 1:2

  A. high heels to sandals 2:6

  T. bare feet to tennis shoes 5:3

  A. high heels to bare feet 2:5
- tennis shoes to men's dress shoes 3:1
- men's dress shoes to sandals 1:6
- bare feet to sandals 5:6.
  sandals to high heels 6:2
  tennis shoes to high heels 3:2
  sandals to tennis shoes 6:3
- men's dress shoes to tennis shoes 1:3
- H. tennis shoes to bare feet 3:5
  L. high heels to men's dress shoes 2:1
  A. men's dress shoes to bare feet 1:5
  A. bare feet to high heels 5:2.
- H. sandals to men's dress shoes 6:1



What do the four H's stand for in the 4-H Club? H E A D. H E A R T. 5:6 3:6 1:5 6:2 5:3 H E A L T H.

HANDS

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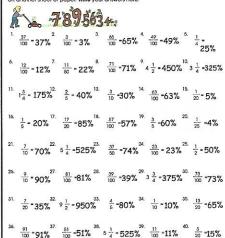
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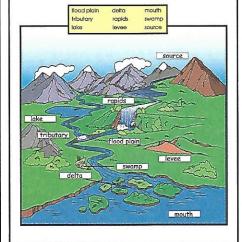
#### Percents

Convert these proper fractions and mixed numbers into percents. Show your work on another sheet of paper. Write your answers here.



#### **River System**

The river systems of the world provide people with transportation, energy and feritie soil, as well as water for drinking, washing and irrigation. The terms below are used to describe a river system. Loam the meanings of these terms, then label the parts of the river on the illustration.



### **River Cities**

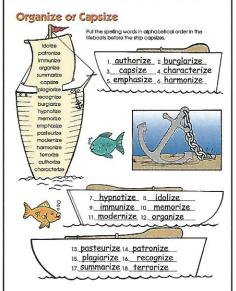


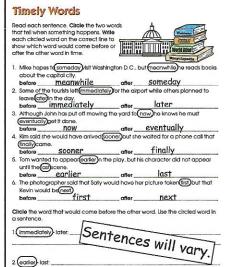
Many of the world's great cities began as small towns and settlements along major rivers. Communities near water were easily accessible. Water was readily available for drinking, cooking, washing, irrigation and obtaining food. Use an atlas, almanac or encyclopedia to help you complete the chart.

River	City	Country	Continent
Mississippi	St. Louis	U.S.A	North America
Hudson	New York	U.S.A	North America
Tiber	Rome	Italy	Europe
Nile	Cairo	Egypt	Africa
Thames	London	England	Europe
Rio la Plata	Buenos Aires	Argentina	South America
Seine	Paris	France	Europe
Yangtze	Shanghal	China	Asia

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Percentages

Sally and Gabriel wrote percentage problems for extra credit. Once you ha solved their problems, make up some of your own on another sheet of pape

- There were 400 students in the school. If 38% of the students were boys, how many boys were there? 152 boys.
- Out of the 345 sheets of construction paper in Mrs. Rainbow's class, 20% were red and 40% were blue. How many sheets were red?
   How many sheets were blue? 138 blue.
- Only 19% of the 400 students ate the cafeteria food on Monday. How many students purchased cafeteria food Monday? 76 students
- 4. 25% of 76 band members can play a clarinet.

  How many can play a clarinet? 19 band members
- 35 trees were planted around the school, 60% were maples. How many of the trees planted were maple? 21 maples
- 6. The local pizza partor gave the eighth-grade class a 25% discount on pizzas they purchased to sell of the football game. Each pizza originally cost \$12.00. How much did the eighth graders pay per pizza?  $\frac{\$9.00}{11}$  If they purchased 12 pizzas, how much did they save together?  $\frac{\$36.00}{11}$
- 7. They saw these signs at the sports shop nearby. Figure each sale price.







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#### **Enlightening Information**

An environment includes all living and nonliving things with which an organism interacts. These living and nonliving things are interdependent, that is, they depend on one arother. The living things in an environment (plants, animals) are called blotte factors, and the nonliving things (sol. light, temperature) are called ablotte factors. Ecology is the study of the relationships and interactions of living things with one another and their environment.

Living things inhabit many different environments. A group of organisms living and interacting with each other in their nonliving environment is called an ecesystem. The different organisms that live together in a ecosystem are called a community. Within a community, each kind of living thing (i.e., frags) makes up a population.

Study the picture. Follow the directions.

study the picture. Follow the directions.

Lobel two blotic factors and two abiolic factors in the picture.

abiotic: sun, sky, water, rock

biotic: butterfly, dragonfly, fish, turtle, cattails

snails, frogs, bugs

Excio

- The living things in the picture depend on each other
- Label the type of ecosystem pictured.
- Pond e all the members of the community

Circle all the living things—plants and animals.

5. Explain how the organisms in this environment are dependent upon on

Frogs eat insects; insects eat plants; plants grow in water; fish live in water; etc.

6. List the different kinds of populations that live in the environment.

frogs, fish, turtles, dragonflies, butterflies, etc.

#### **Cemetery Epitaphs**

Use a spelling word to complete each word group.



1. graveyard, burlal place, <u>cemetery</u> 2. Industrial, purifier, refinery 3. operation, medical procedure, Surgery 4. slick, shiffing, \_\_slippery 5. blazing, glowing, fiery 6. stalk, vegetable, <u>celery</u> 7. theft, stealing, robbery 8. curtains, covering, drapery 9. paln, sorrow, misery 10. handlwork, sewing, embroidery 11. grass, plants, greenery 12. notepad, envelopes, stationary

13. bow shooting, sport, archery 14. engines, power tools, machinery

15. Insult, false appearance mockery 16. prank, Joke, <u>trickery</u>

17. foodstuffs, store, grocery 18. incubator, brooder, hatchery

Witte an epitaph (a tombstone inscription) for a tombstone you might find in a cemetery. The epitaph may be wacky, creepy or sentimental. Try to use several words from the list.

Words from the list.

Example: Here list George who ate too much celery, He simply couldn't resist
any kind of greenery, and the surgery didn't help. I am sad to say that he died

Magnify the Situation

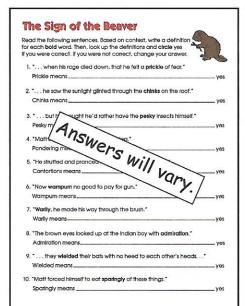
Unscramble the letters to find the spelling word (verb) that goes with each clue (direct object). The first one has been done for you.

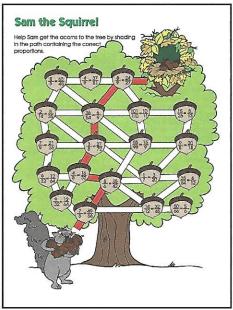
		verb	direct object
amplify beautify certify clarify dignify falsify fortify glorify horrify lentify justify magnify notify qualify rectify simplify	1. (pill/myls) 2. (pily/myls) 3. (uly/falp) 4. (pyrforh) 5. (fyldosil) 6. (ffslicy) 7. (pyrfley) 9. (pflicyrn) 10. (ffyust) 11. (ror(gly) 12. (crtery) 13. (cfyrail) 14. (yffrail) 15. (dyfrail) 16. (fyrmin)	simplify beautify qualify horrify solidify falsify verify notify amplify justify glorify rectify fortify manify	direct object the problem a city park your answer your feacher the liquid the document your identify the outharfiles the sound your actions a hero the situation your question the walls the cells
simplify solidify verify	15. (lafymng)	identify dignify certify	the criminal the procedure

My name is Sam Sneed. It is my job to clarify the evidence, verify the facts, Indentify the murde and notify the authorities. I do not intend to glorify but I am the best in my field. In order to qualify for this position I had to study very hard for many years. All the hard work paid off. I am now certified and have a very satisfying position as a <u>detective</u>

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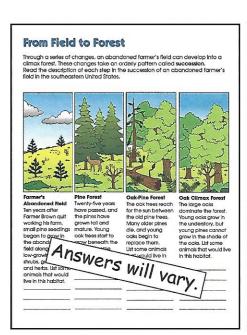


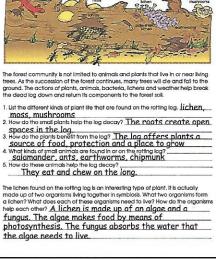
Proporti Solve the proble	ms. Write your answe	ers here.	
1. $\frac{2}{4} = \frac{n}{8}$ $n = 4$	2. $\frac{3}{x} = \frac{9}{15}$ x = 5	3. $\frac{n}{20} = \frac{5}{4}$ $n = 25$	4. $\frac{5}{6} = \frac{30}{n}$ $n = 36$
5. $\frac{27}{n} = \frac{9}{10}$ $n = 30$	6. $\frac{3}{14} = \frac{n}{42}$ $n = 9$	7. $\frac{2}{n} = \frac{24}{72}$ $n = 6$	8. $\frac{3}{9} = \frac{x}{54}$ x = 18
9. $\frac{3}{7} = \frac{x}{42}$ x = 18	10. $\frac{6}{12} = \frac{12}{n}$ $n = 24$	11. $\frac{7}{8} = \frac{42}{x}$ x = 48	12. $\frac{3}{8} = \frac{n}{48}$ $n = 18$
13. $\frac{12}{13} = \frac{24}{x}$ x = 26	$14. \ \frac{7}{9} = \frac{21}{n}$ $n = 27$	15. $\frac{7}{4} = \frac{x}{28}$ x = 49	16. $\frac{n}{30} = \frac{5}{3}$ $n = 50$
17. $\frac{5}{40} = \frac{2}{m}$ m = 16	$18. \ \frac{6}{2} = \frac{t}{20}$ $t = 60$	19. $\frac{3}{9} = \frac{x}{15}$ x = 5	20. $\frac{6}{n} = \frac{4}{8}$ $n = 12$
21. $\frac{7}{4} = \frac{49}{y}$ y = 28	22. $\frac{6}{8} = \frac{n}{48}$ $n = 36$	23. $\frac{y}{15} = \frac{1}{3}$ y = 5	24. $\frac{40}{120} = \frac{4}{n}$ n = 12
$25. \ \frac{9}{3} = \frac{27}{y}$ $y = 9$	26. $\frac{14}{6} = \frac{n}{3}$ n = 7	27. $\frac{12}{3} = \frac{12}{n}$ n = 3	28. $\frac{24}{8} \frac{m}{m}$ m = 192
29. $\frac{25}{6} = \frac{75}{n}$ $n = 18$	30. $\frac{3}{12} = \frac{x}{48}$ x = 12	31. $\frac{5}{25} = \frac{t}{20}$ t = 4	32. $\frac{n}{55} = \frac{2}{11}$ $n = 10$

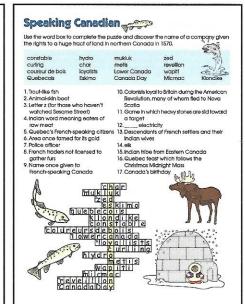
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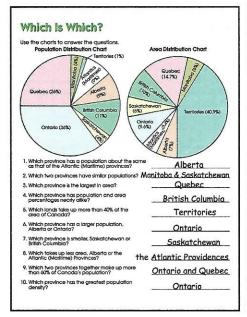
Life on a Rotting Log

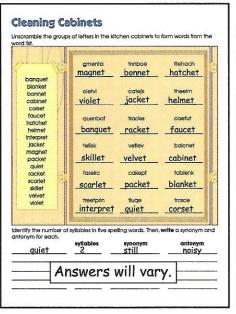


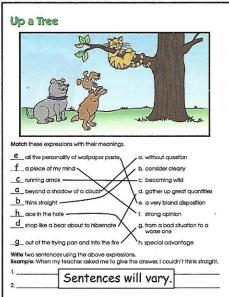




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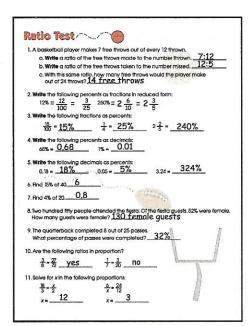




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#### **Animal Math**

This chart lists some of the body statistics of fifteen endangered animals. Use these measurements to solve the problems below.

Animol	Height	Weight	Length
Mountain gorllia	ć feet	450 pounds	
Brown hyena	25 inches	70 pounds	3 foot
Black rhinoceros	5.5 feet	4,000 pounds	12 feet
Cheetah	2.5 feet	100 pounds	5 feet
Leopard	2 feet	150 pounds	4.5 feet
Spectacled bear	2.5 feet	300 pounds	5 feet
Giant armadillo		100 pounds	4 feet
Vicuna	2.5 feet	100 pounds	
Central American tapir	3.5 feet	500 pounds	8 feet
Black-footed ferret		1.5 pounds	20 inches
Siberian tiger	38 Inches	600 pounds	6 feet
Orangutan	4.5 feet	200 pounds	
Giant panda		300 pounds	6 feet
Polar bear (E)	1	1,600 pounds	8 feet
Yak	5.5 feet	1,200 pounds	_

1. What is the total height of a mountain gorilla, a vicuna and a yak? 14 ft.
2. What is the total weight of a leopard, a cheetah and a polar bear? 1,850 lb,
3. What is the total weight of a giant penda and a giant ormadila? 400 lb.
4. Add the lengths of a black thinoceros, a spectacled bear and a Sherian tiger. 23.ft.

- ر المطالعة المطالعة

8. Add the heights of a brown hyena and a Siberian tiger. 63 ft.
9. Add the weights of all the animals. 9.671.5 lb.

rhinoceros, tapir, polar bear, tiger, panda, cheetah, spectacled bear, leopard, armadillo, hyena, ferret

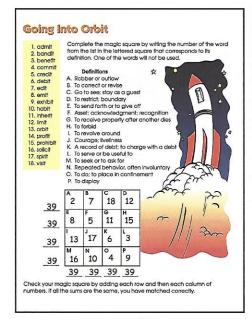
Read the animal name in Column A. Choose the correct description from Column B, Write the number of the answer in the Magic Square below. The first one has been done for you. Column B

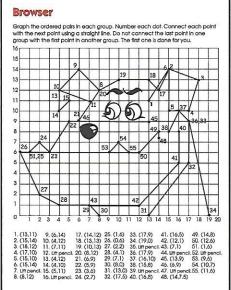
1. large bear of the American grasilands
2. lives on dry grassinds of South Africa
3. the most voluable reptile in the world
4. largest scaring bird of North America
6. the fatest American bird
6. the fatest American bird
7. the only great ape outside Africa
8. large aquatic seal-like animal
10. small, fast mammal inacturnal preador
11. largest animal in the world
12. member of the wassel family
13. has interbord with coyoles in some areas
14. diso called a duck howk; size of a crow
15. satis largest of the succeptibut free Column A A. grizzly bear B. koala A. Gissey over
B. koala
C. peregifie falcon
D. California condor
E. black-footed ferret
F. cheetah
G. orangutan
H. glant panda
I. Riadda manatee
J. kit fox
K. blue whale
L. whooping orane
M. red walt
N. green sea Turtie
O. brown hyena
P. jaguar eats leaves of the eucolyptus tree
 know as "el tigre" in Spanish B 15 C 14 G 7 **H** 9 J 10 K 11 M N 3 0 \_13 Why do you think this is called a magic square? Every row, column and diagonal adds up to 34,

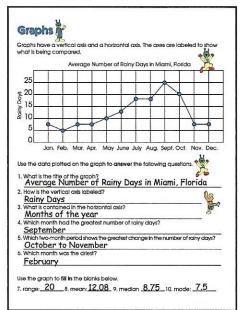
**Animal Magic** 

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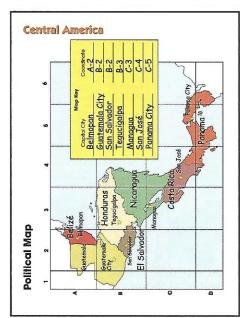




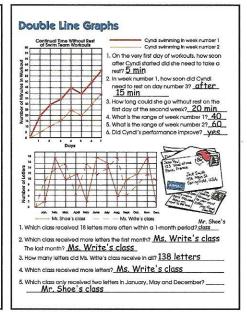


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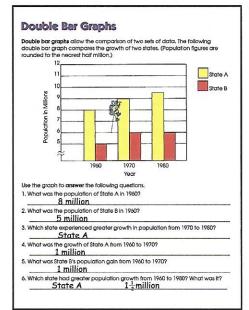


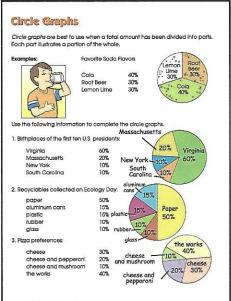


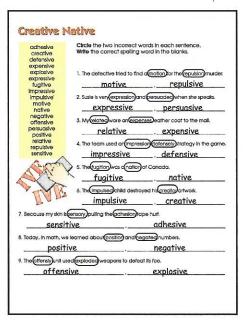




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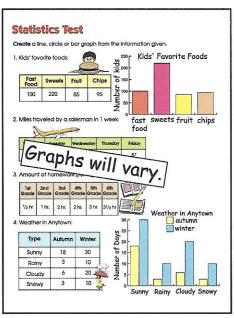


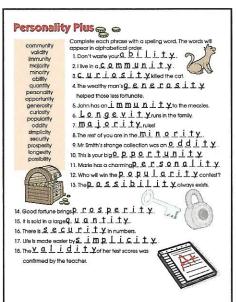


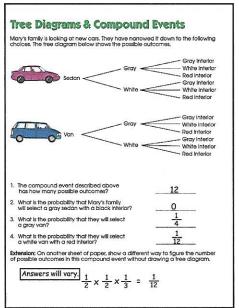
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1. –12 + 1 =–11	27 + 9 = 2	32 + 10 = 8
4. –14 + 7 = ~7	512 + 12 =0	6. –14 + 3 =–11
7. –10 + –10 =–20	85 + 0 = -5	912 + -11 =-23
106 + 9 = 3	118 + 12 = 4	121 + 12 =11
13. –15 + –10 = –25	142 + 8 = 6	1530 + 2 =-28
164 + 5 = 1	17. 10 - (-14) = 24	1814 - (-7) =-7
19. 10 - (-3) = 13	2010 - 6 = -16	215-(-5)=0
228 - (-9) = 1	2330 - (-8) = -22	2414 - 9 = -23
2516 - (-4) = -12	26. 20 - 30 = -10	2710 - 4 =-14

2. Round 3,657.189	ndredth. 3,65	7.19	600
to the nearest wi	nole number	3,657	
3. dx 14 = 56 4	<b>6</b>		4 cm
4. What is the perimete What is the area?		3 cm	4 cm
5. 792 x34 26,928	26= 32	7. 28 F	8. 50 hours = 2 da 2 ho
9.15+3×2= <u>21</u>	0.1036	11. <u>5,9</u> 2.6 15.47	5 12. 3 x 10 =
13. $2\frac{1}{2} + \frac{1}{2} = 5$	14. 25/8 +	$\frac{3}{4} = 2\frac{11}{3}$ $3\frac{3}{8}$	15. $17-5\frac{1}{2}=11\frac{1}{2}$
16. 15% of 20 = 3	17. 14 is <u>7</u>	0 % of 20	18. $\frac{5}{40} = \frac{2}{m}$

Mapping Mania

Refer to a map of Canada and the United States to complete the following.

- 1. A group of Islands close to each other is called an archipelago. N archipelago that extends southwest from Alaska. <u>Aleutian Islands</u>
- Hawaii 2. What state is made up of an archipelago? \_\_\_\_
- 3. Why are Texas, Louisiana, Mississippi, Alabama and Florida known as the Gulf
  states? They border the Gulf of Mexico.
- 4. The Great Lokes hold  $\frac{1}{6}$  of all surface freshwater in the world. Name the American states and Canadian province that border these lokes. Minnesata, Wisconsin, Michigan, Illinois, Indiana, Ohio, Pennsylvania, New York, Ontario 5. What Canadian province retains its French heritage and language? Quebec
- 6 Name the Canadian Martitine Provinces. <u>New Brunswick</u>, <u>Nova Scotia</u>, <u>Prince Edward Tsland</u>, <u>Newfoundland</u> 7 Name the oceans that border Canada. <u>Pacific</u>, <u>Atlantic</u>, <u>Arctic</u>
- 8. Name the American state that borders two oceans, Alaska Name the oceans. Pacific and Arctic
- 9. Name the state made up of two peninsulas. Michigan
- 10. Name the three major mountain chains found in North Amer Rocky Mountains, Appalachians, Coastal/Cascades
- 11. Locate a mop with time zones. Find the number of time zones within the configuous United States. Name them. 4 Pacific Mountain. Central, Eastern
- 12 Name the states that have the Mississippi River as a border. Minnesota, Wisconsin,

Jowa, Illinois, Missouri, Kentucky, Tennessee, Arkansos, Mississippi,

Challengel

Challengel

Louisiana

There is one place in North America where you could get into a bact on state coupitd, sail to the nearby capital of a Canadian province and continue along the coart to another state capital. Norse the three capitals. Ollympia, WA: Victoria.

British Callumbia: Juneau, Alaska

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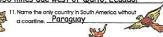
Mapping Mania Refer to a map of Central America and South America to comp

 Name the large peninsula in Mexico that separates the Gulf of Mexico from the Caribbean Yucatán 2. Name the four nations that still have possessions in the Caribbean real

- Netherlands, U.S., United Kingdom, France
  3. Which Central American country is not officially Spanish speaking? (If was farmerly British Honduras).

  Belizé
- 4. In 1949, this Central American country abolished its army, Today, it is one of the most stable countries in Latin America. Its president won a Nobel Peace Prize in 1987 for working to end signifing in Central America. It is swest of Panama and south of Nicaragua, Identify the country. Costa Rica

  5. Name the countries that border the Gulf of Mexico. United States.
- Cuba, Mexico
- 6. Which South American countries lie on the equator? Ecuador, Colombia, Brazil
- 8. Name the cape at the southern tip of South America. <u>Cape Horn</u>
- 9. Name three countries in South America where Spanish is not the official language. Guyana, Suriname, French Guiana
- 10. In 1935, one of the great scientists in history, Charles Darwin, spent a month in the Galápagos Islands, part of Ecuador. HIs visit was the inspiration for the theory of natural selection that revolutionized science. Give the absolute and relative locations of the Galapagos 0.30° 5, 90.30°W; approximately 850 miles due west of Quito, Ecuador



#### **Write Government Officials**

The government needs to hear from kids just like you! Our nation's leaders and the leaders of other countries need to hear our concerns. Most government officials welcome letters and want to know your thoughts.

Write letters that clearly state what you are concerned about and why you are concerned. Using the information that you have learned will help influence the people who make decisions about the laws and funding that govern the safety of our planet.

# NO MATTER HOW YOUNG YOU ARE YOU CAN MAKE A DIFFERENCE.

Here are some ac	Idresses of where to write to our government officials.
	Representative US House of Representatives Washington DC 20515
6	Senator US Senate Washington DC 20510
(You will need to I	know the names of your state's Senators and Representatives.)
	President The White House 1600 Pennsylvania Ave. Washington DC 20500 (Begin your letter, "Dear Mr. President.")
If you wish to write	e to the leaders of other foreign countries, request the proper address from

(Country's Name) Embassy The United Nations, United Nations Plaza

New York, NY 10017