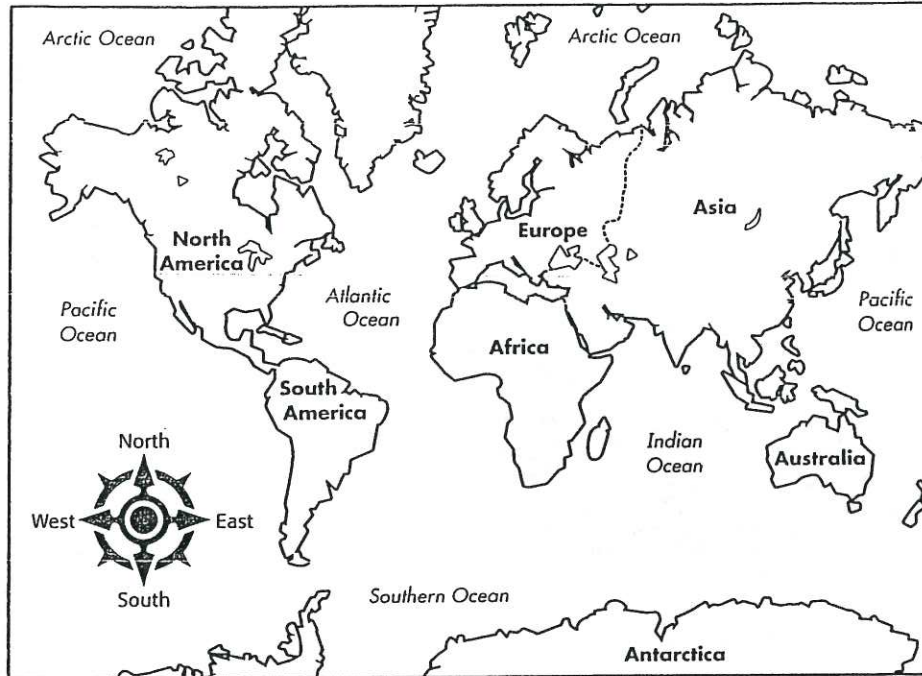


This Is a Map

A map is a flat drawing of a place. A map title tells you what a map is about. Look at the map below. Then follow the directions.

A World Map



1. What does this map show? _____

2. The land on Earth is divided into large sections called **continents**.

How many continents are there? _____

3. Most of the water on Earth is divided into four large **oceans**.

Which three oceans touch North America? _____

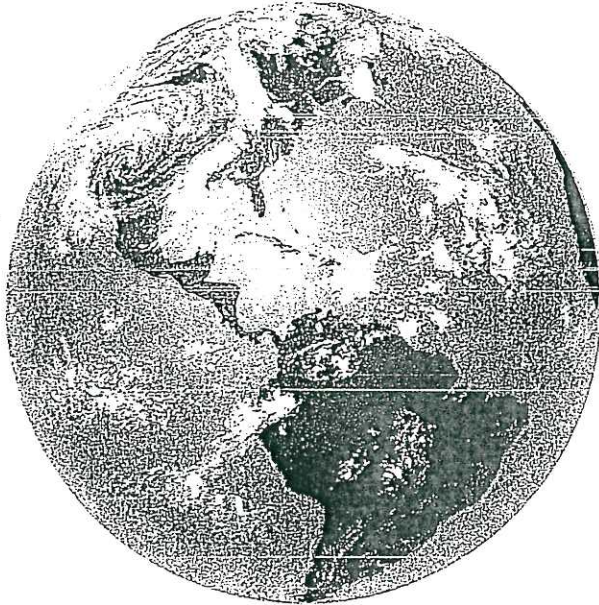
4. Which continent is the smallest? _____

5. Which continent is the largest? _____

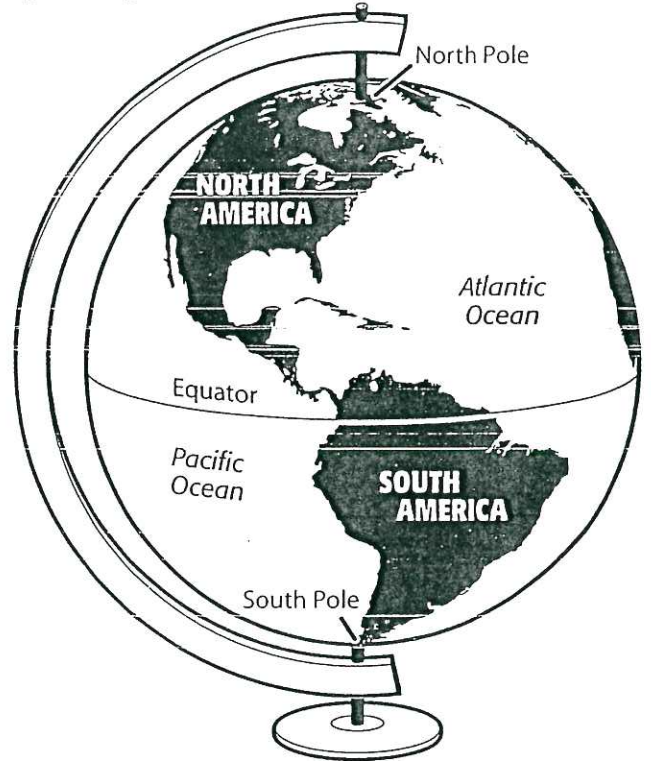
6. Color all water blue. Color North America red. Color South America yellow. Color Europe purple. Color Africa green. Color Asia orange. Color Australia brown. Antarctica pink.

Using a Globe

A globe is a round model of the whole Earth. It shows the North Pole, the South Pole, water and land. Look at the drawing of a globe below. Then answer the questions.



Earth



1. How is a globe different from a map? _____

2. The **equator** is an imaginary line that divides the northern half of the Earth from the southern half of the Earth. Draw a line over the equator.

Name a continent that the equator crosses. _____

3. Which two oceans can you see on the globe above? _____

4. If you were looking at a real globe, what would you have to do to see the other continents and oceans? _____

Bonus: Why might somebody want to use a globe instead of a map? _____

Tools on a Map








You can use a map to help you get from one place to another. There are tools on a map to help you.

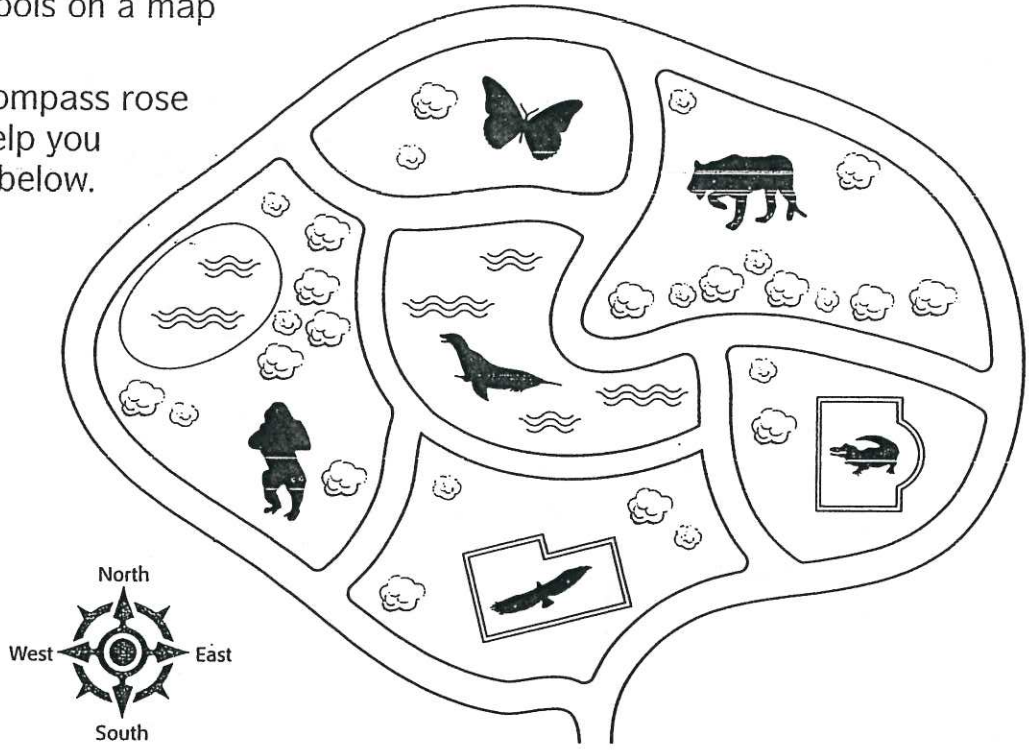
A **compass rose** shows north, south, east and west. These are the four main directions. They are called **cardinal directions**.

A **map key** shows symbols and tells you what they mean. Symbols on a map stand for real things.

Use the map, the compass rose and the map key to help you answer the questions below.

Zoo Map

Map Key	
	Birds of the World
	Butterfly Garden
	Gorilla Forest
	Reptile House
	Seal Rock
	Tiger Reserve
	Water
	Building



- How many buildings are shown on the map? _____
- You want to see butterflies. Which exhibit would you visit? _____

- Is the Reptile House in the eastern or the western part of the zoo? _____
- In which direction would you go to get from Birds of the World to Seal Rock?

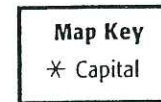
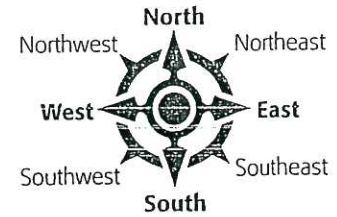
- Which exhibit is directly south of the Butterfly Garden? _____

Bonus: Plan a trip to the zoo. Number the places on the map to show which you would visit first, second, third and so on. On the map, draw the path you would take.

More Directions

The four main directions are north, south, east and west. There are also directions in between. A direction that lies between north and east is called northeast (NE). A direction that lies between south and west is called southwest (SW). Northeast, northwest, southeast and southwest are called **intermediate directions**. Use the map, the compass rose and the map key to answer the questions below.

The Midwest



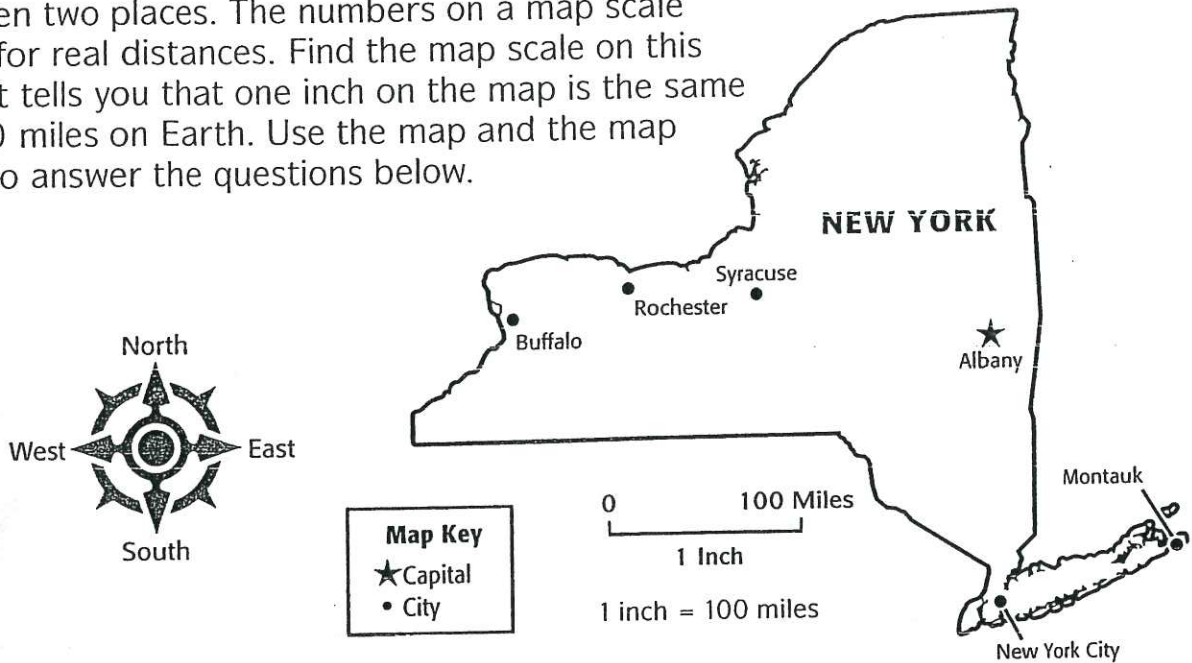
Alaska and Hawaii are not shown.

1. What part of the United States does this map show? _____
2. Which state is south of Nebraska? _____
3. True or false: Illinois is southeast of Minnesota. _____
4. In what direction would you travel to go from Kansas to Wisconsin? _____
5. Is the capital of Kansas in the northeastern or the northwestern part of the state?

6. Which state borders, or is next to, Iowa to the northeast? _____

Find Out How Far

A map scale can help you find out the distance between two places. The numbers on a map scale stand for real distances. Find the map scale on this map. It tells you that one inch on the map is the same as 100 miles on Earth. Use the map and the map scale to answer the questions below.



1. What distance does one inch on the map of New York stand for? _____

What distance do two inches on the map stand for? _____

2. Use a ruler to measure the distance in inches between New York City and Montauk on the map.

How many inches apart are these cities? _____

How many miles does that stand for? _____

3. What city is the capital of New York? _____

How many miles away from that city is Rochester? _____

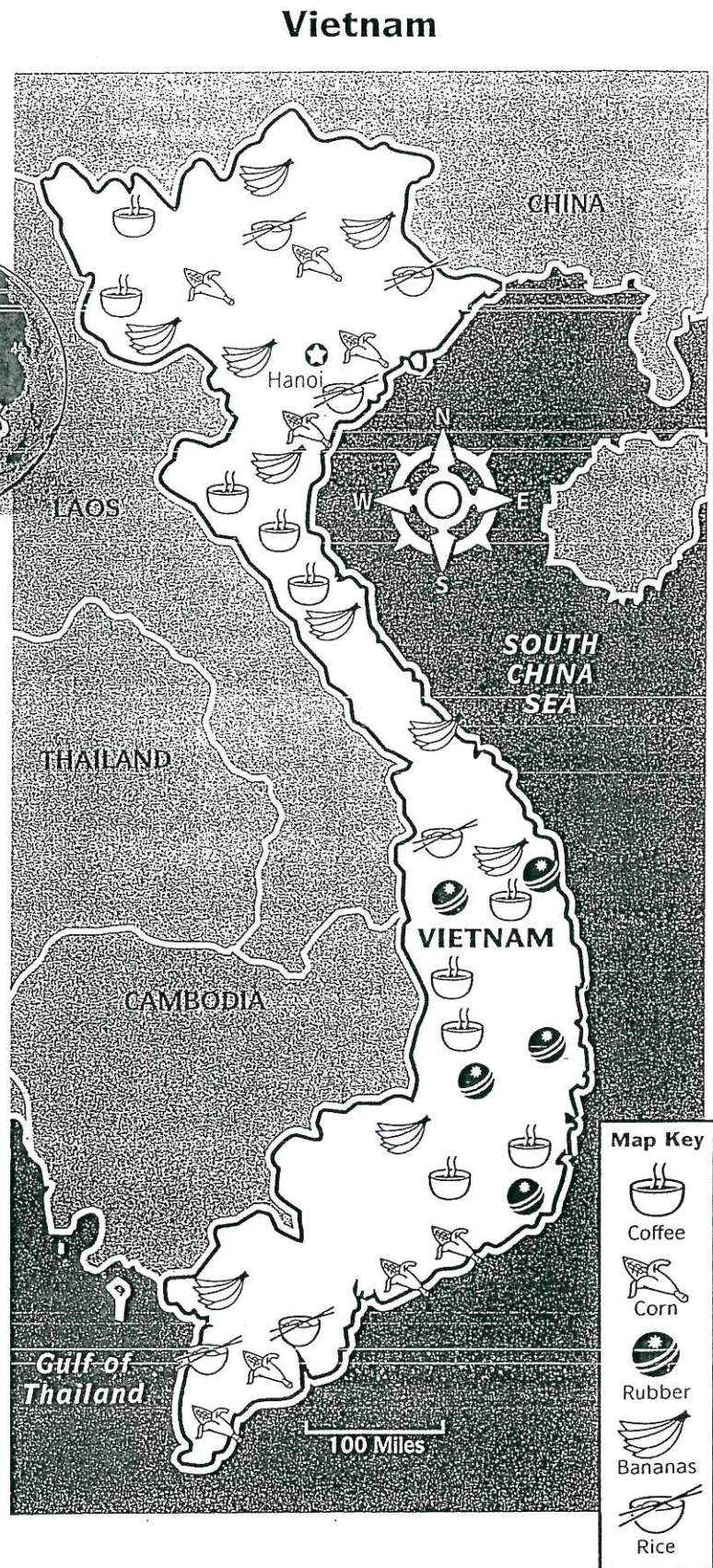
4. True or false: New York City is located about 300 miles southeast of Buffalo.

5. If you were to start out in Albany and travel 100 miles east, would you still be in

New York? _____

Vietnam's Top Products

This is a product map. It shows some of the fruit, grains and other crops that are grown in Vietnam. Use the map and key to answer the questions.



1. What does stand for?

2. How many symbols for rice are shown on the map?

3. True or false: Coffee is grown in the northeastern part of the country.

4. Which crop is grown only in the southern half of the country?

5. Which three crops are grown closest to Vietnam's capital?

6. Look at the picture of a globe. It shows where Vietnam is located. Vietnam is on which continent?

The Countries of South America

A political map shows the borders, or dividing lines, between states and countries. Look at the political map of South America. Then answer the questions below.

Political Map of South America



1. What is the largest country in South America?

2. What country is located to the northwest of Peru?

3. How many countries are shown on the map?

4. What ocean borders, or is next to, South America to the west?

What ocean borders South America to the east?

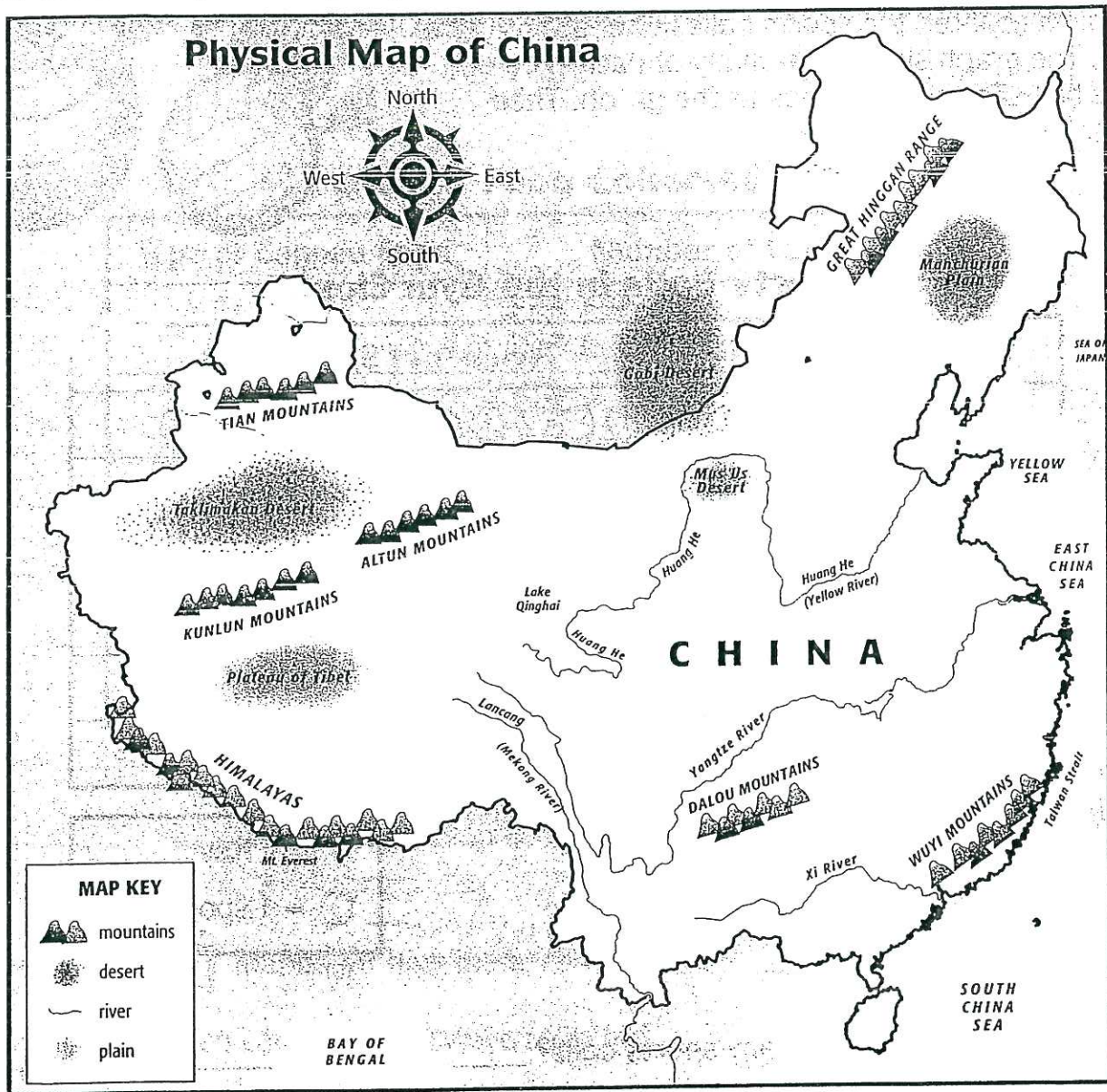
5. Name one country in South America that is landlocked, or surrounded by other countries and no oceans. _____

Name _____

Date _____

A View of China

A physical map shows mountains, deserts, rivers and other natural features of a place. Use the map and map key to answer the questions below.



1. Find the Xi (shee) River. Is it in the northern or southern part of China? _____
2. True or false: The Yangtze (yang-see) River flows into the East China Sea. _____
3. How many mountain ranges are shown on the map? _____
4. Which desert is located entirely in China, the Gobi Desert or the Taklimakan Desert? _____

Name _____

Keeping Track of Events

A pictograph shows information by a key that tells you how many items each symbol represents.

Deanna counted the sports balls in her school gym closet. The graph shows how many of each type of sports ball she counted. Look at the graph. Then answer the questions below.

ent
the
Done



Sports Balls in the Gym Closet

Type of Sports Ball	Number of Sports Balls
Baseball	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Basketball	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Football	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Soccer	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Volleyball	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Juggling	

Key
○ = 1 sports ball




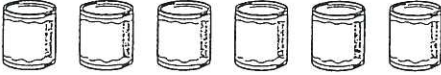

1. Each ○ stands for how many sports balls? _____
2. Six juggling balls are added to the school gym closet. Add the correct number of symbols to the graph.
3. There are 11 of which type of sports ball? _____
4. How many more soccer balls are there than volleyballs? _____
5. All together, how many sports balls are in the school gym closet? _____

A Canned-Food Drive


Students at Parkview School collected cans of food to give to a local soup kitchen. Look at the graph and key to find out how many of each type of canned food they collected.




Canned Food Collected

Type of Canned Food	Number of Cans
Beans	
Fruit	
Sauce	
Soup	
Vegetables	

Key

 = 5 cans of food

1. The symbol  stands for how many cans of food? _____
2. True or false: Ten cans of beans were collected. _____
3. How many cans of vegetables were collected? _____
4. Fifteen cans of which type of food were collected? _____
5. How many more cans of soup were collected than cans of sauce? _____

Bonus: All together, how many cans of food did students at Parkview School collect?

Cars of Many Colors

The Rent-a-Car Center has cars in five colors: black, blue, gray, red and white. Follow the steps to build a pictograph that shows the number of cars in each color. Then answer the questions below.


Step 1: Look at the chart to find out the number of cars in each color.


Step 2: Find the key. How many cars does each symbol stand for? _____

Step 3: Add the correct number of symbols to each row of the pictograph. The first row has been done for you.

Cars at the Rent-a-Car Center

Color	Number of Cars
Black	10
Blue	4
Gray	6
Red	2
White	12

Color	Number of Cars
Black	
Blue	
Gray	
Red	
White	

Key
 = 2 cars

- True or false: There are 5 black cars. _____
- How many gray cars are there? _____
- There are four cars in which color? _____
- How many more white cars are there than red cars? _____
- All together, how many cars does the Rent-a-Car Center have? _____

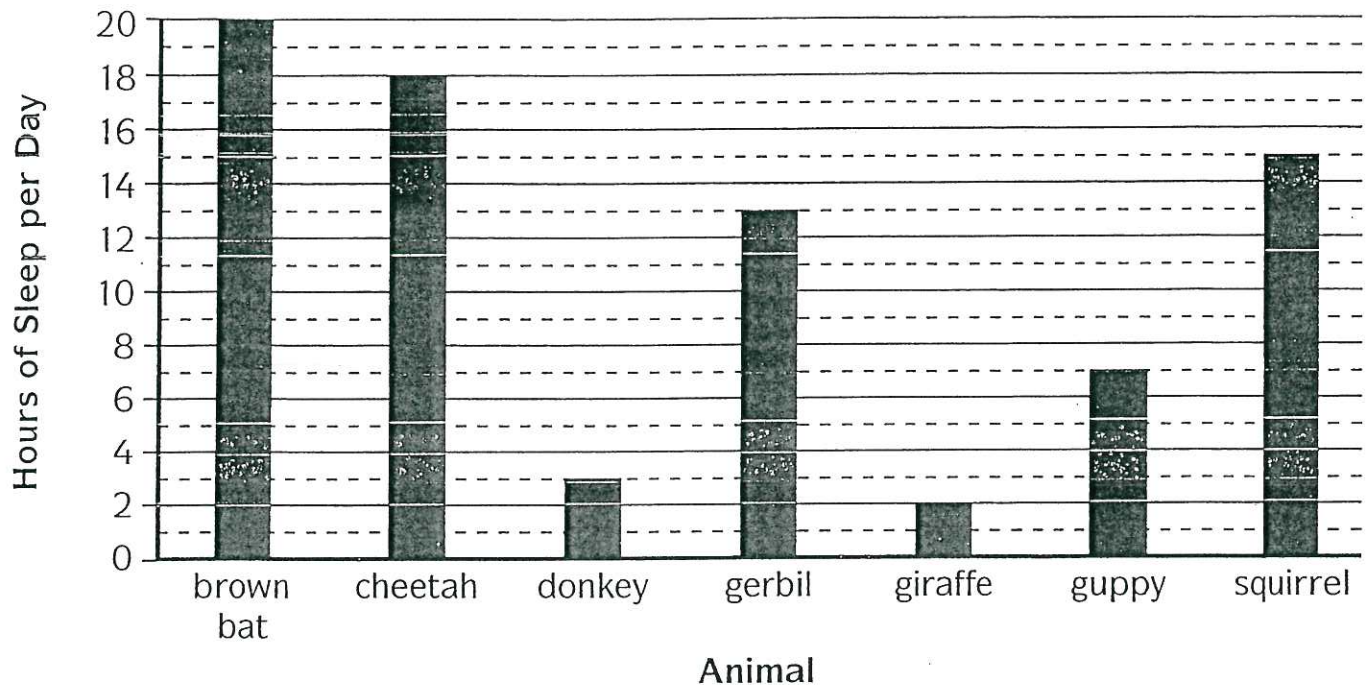
Bonus: Bill's Auto Shop has 6 black cars, 3 blue cars, 9 gray cars, 6 red cars and 12 white cars. Make a pictograph that shows this information. Include a key that tells how many cars each symbol stands for.

Sleepy Animals

A bar graph displays information using bars of different lengths. The marks along the side of the graph are called the scale.

This graph shows how many hours of sleep seven different animals get each day. Read the graph. Then answer the questions below.

Number of Hours Animals Spend Sleeping Each Day



1. Which animal sleeps the most? _____

How many hours does that animal spend sleeping each day? _____

2. Which animal sleeps for seven hours each day? _____

3. How many hours of sleep does a cheetah get each day? _____

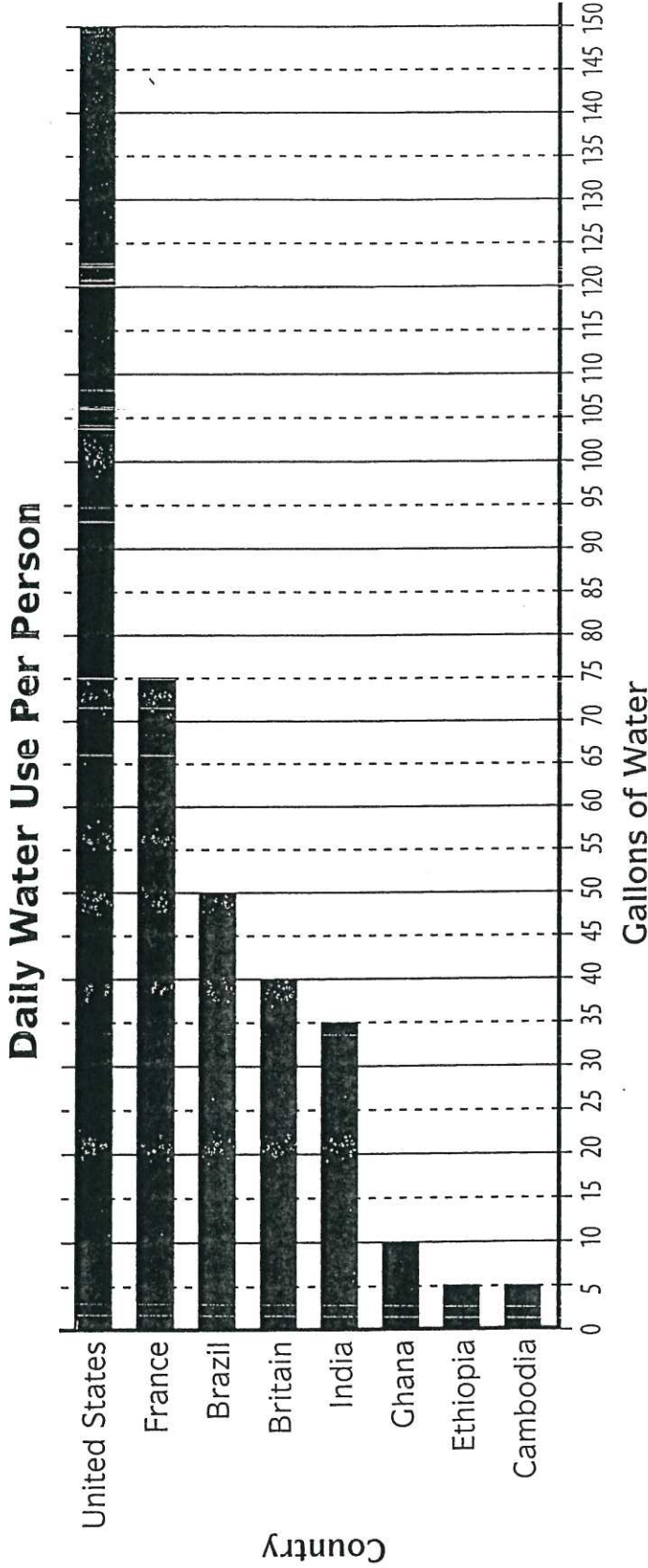
4. Which animals sleep for an odd number of hours? _____

5. How many more hours of sleep each day does a gerbil get than a giraffe? _____

Bonus: On the back of this page, list the animals in order of how many hours of sleep they get each day. Your list should start with the animal that gets the least sleep and end with the animal that gets the most sleep.

Water Use Around the World

Look at the bar graph to learn about water use in eight different countries. Then answer the questions below.



1. How many gallons of water does a person in India use each day? _____
2. In which country does a person use 75 gallons of water each day? _____
3. How many gallons of water does a person in the United States use each day? _____
How many more gallons is that than the number used by a person in Ghana? _____
4. Add together the amount of water used each day by a person in France, a person in Britain and a person in India. All together, is that more, less or the same as the amount of water used each day by a person in the United States? _____

SOURCE: UNITED NATIONS DEVELOPMENT PROGRAM, HUMAN DEVELOPMENT REPORT, 2006

Going for Gold

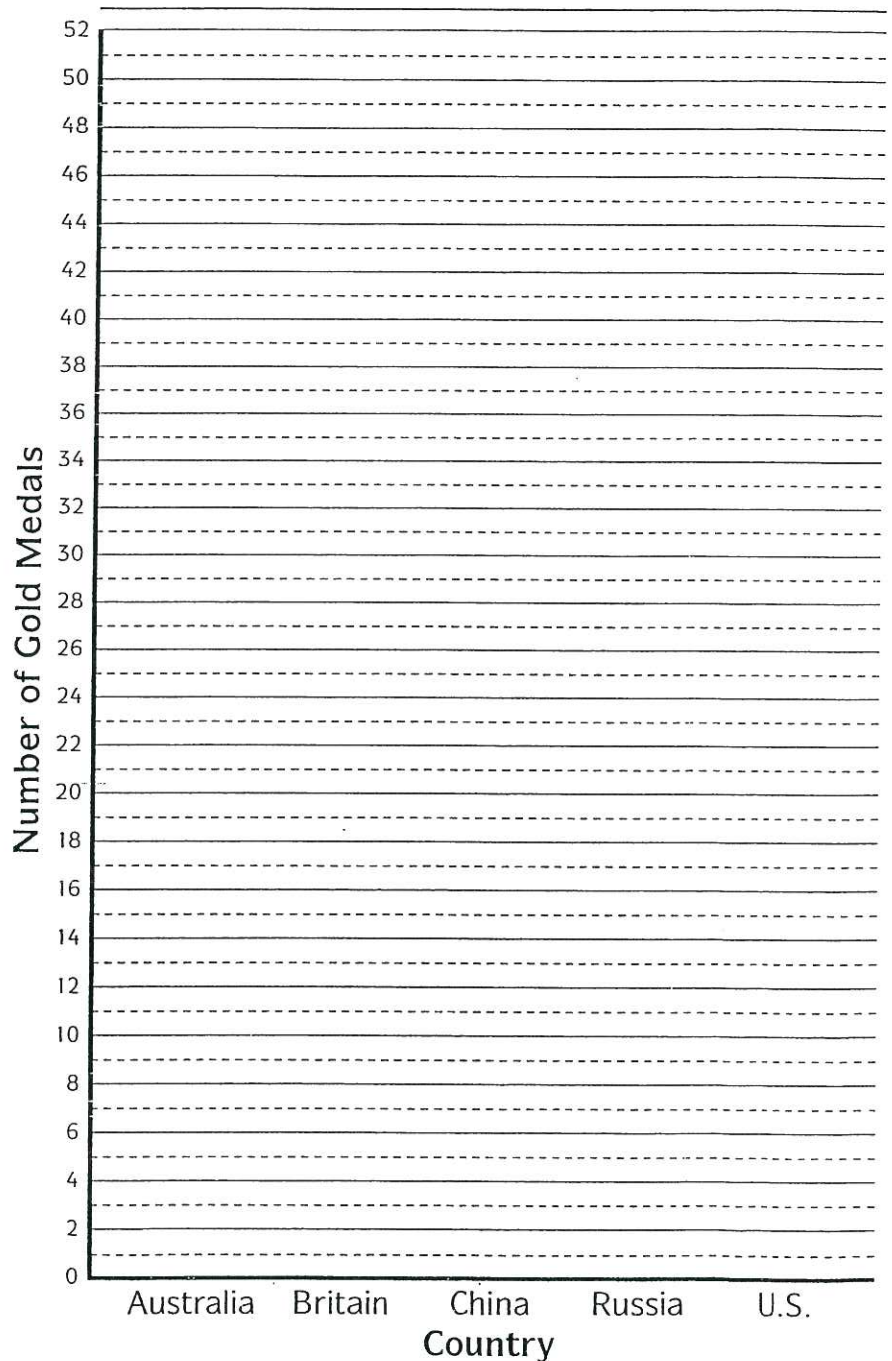
Follow the steps to build a bar graph that shows the top gold-medal-winning countries from the 2008 Olympic Games. Then answer the questions below.

Step 1: Write the title of your graph on the line above the graph.

Step 2: Look at the chart to find out how many gold medals each country won.

Step 3: For each country, draw a bar that reaches the correct number.

Country	Gold Medals
Australia	14
Britain	19
China	51
Russia	23
U.S.	36



1. Which country won the most gold medals?

2. Which country won more gold medals: Britain or Australia?

3. How many gold medals did the United States win?

4. How many more gold medals did Russia win than Britain?

Comparing Snowfall

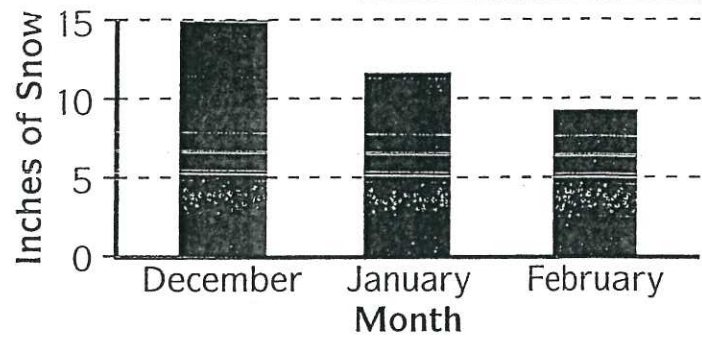
The charts below show how many inches of snow fell in three different towns during December, January and February.

For each chart, figure out which graph shows the same information. Complete each graph title by writing the name of the correct town.

Fairfield

Month	Inches of Snow
December	7
January	9
February	13

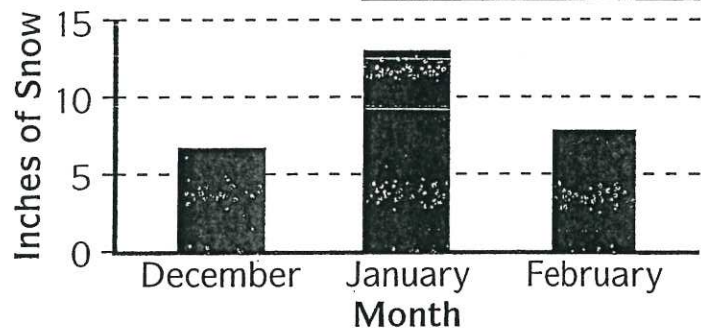
Snowfall in _____



Greenville

Month	Inches of Snow
December	7
January	13
February	8

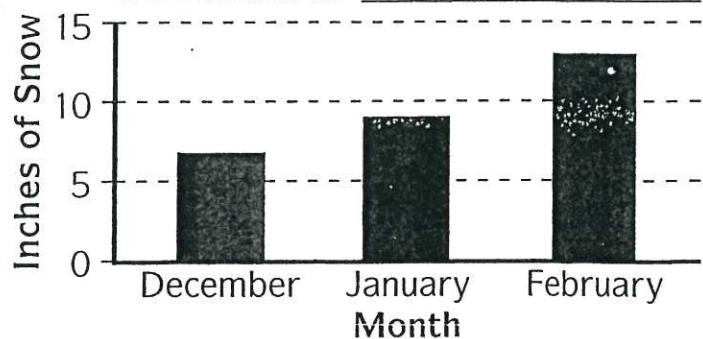
Snowfall in _____



Riverside

Month	Inches of Snow
December	15
January	12
February	9

Snowfall in _____

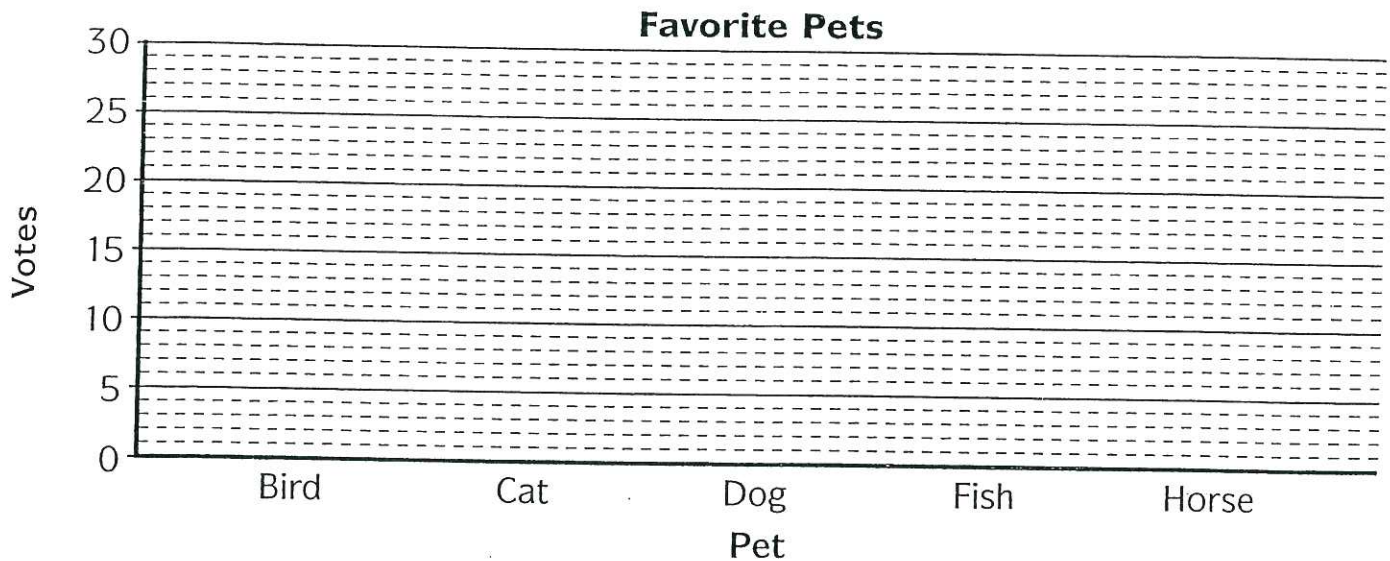


Explain how you figured out which chart matches with which graph. _____

Conduct a Survey

Ask your friends and family: "Which type of pet do you like best?" Tally the answers in the chart below. Then complete the bar graph to show your results.

Pet	Tally	Number of Votes
Bird		
Cat		
Dog		
Fish		
Horse		



1. Which pet is the most popular? _____
2. How many people said that cats are their favorite? _____
3. Which pet is the least popular? _____
4. How many more people voted for the most popular pet than for the least popular pet?

Bonus: Conduct another survey on a topic of your choice. Graph the results on the back of this page.

Words to Watch



MAP TERMS

cartographer: a person who makes maps

compass rose: a symbol on a map that shows directions

continent: one of seven major areas of land on the Earth

equator: an imaginary line around the Earth that divides it into northern and southern halves

globe: a round model of the Earth

hill: a high, rounded part of the Earth that is not as tall as a mountain

lake: a body of water that is surrounded by land on all sides

physical map: a map that shows a place's natural features, such as mountains, deserts and rivers

map: a flat drawing of a place

map key: a box on a map that shows what each symbol on the map stands for

map scale: a measuring tool on a map that stands for actual distances

mountain: a landform that is much higher than its surroundings and is taller than a hill

ocean: a very large body of saltwater

political map: a map that shows borders, or dividing lines, between states and countries

product map: a map that shows the main resources, crops and other products of an area

river: a body of water that flows across the land and empties into another body of water

GRAPH TERMS

bar graph: a graph that shows information using bars of different lengths

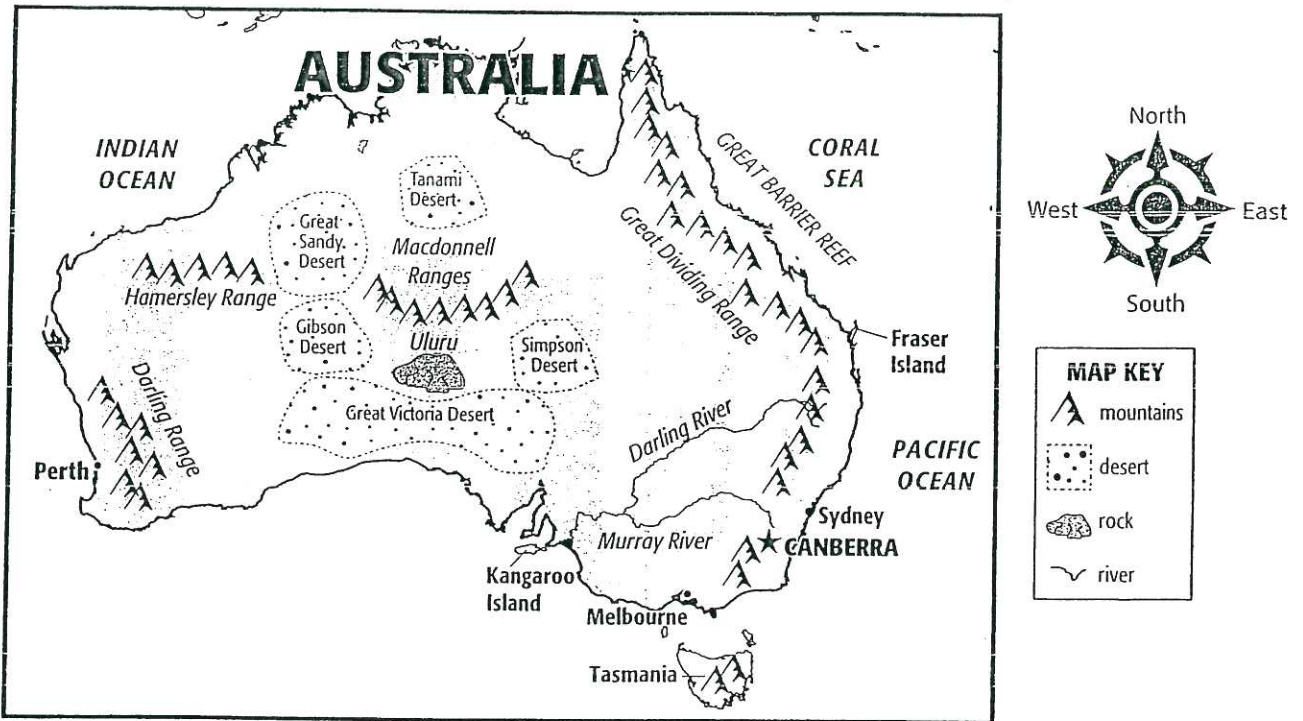
graph key: a box on the graph that shows what each symbol stands for

pictograph: a graph that shows information by using symbols

scale: equally spaced marks along a graph

Show What You Know

Read the map of Australia. Then choose the best answer for each question below.

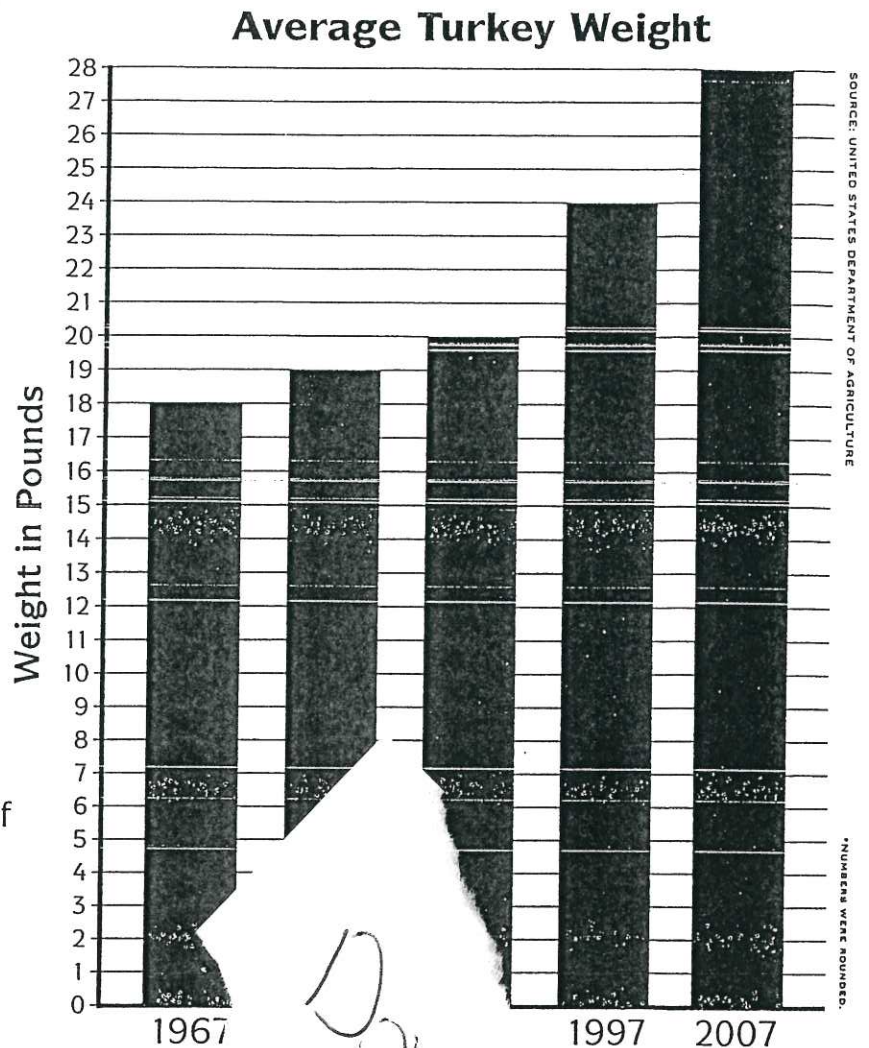
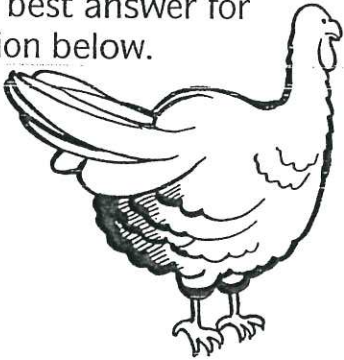


- What type of map is this?
 - political map
 - product map
 - physical map
 - state map
- Which mountains are located along the east coast?
 - Darling Range
 - Hamersley Range
 - Macdonnell Ranges
 - Great Dividing Range
- Uluru is the world's largest single rock. Which two deserts are located northwest of Uluru?
 - Gibson Desert and Simpson Desert
 - Great Victoria Desert and Great Sandy Desert
 - Great Sandy Desert and Tanami Desert
 - Gibson Desert and Great Sandy Desert
- What city is the capital of Australia?
 - Perth
 - Sydney
 - Melbourne
 - Canberra
- How many deserts are shown on the map?
 - 5
 - 4
 - 6
 - 1

Show What You Know

(continued)

This graph shows how much the average turkey weighed in 1967, 1977, 1987, 1997 and 2007. Read the graph. Then choose the best answer for each question below.



6. What was the average weight of a turkey in 1987?

- (a) 18 pounds
- (b) 20 pounds
- (c) 18 ounces
- (d) 20 ounces

7. In what year was the average weight 19 pounds?

- (a) 1967
- (b) 1977
- (c) 1987
- (d) 1997

8. In what year was the average weight the highest?

- (a) 1977
- (b) 1987
- (c) 1997
- (d) 2007

9. How much was the average weight of a turkey in 1977?

- (a) 10 pounds
- (b) 18 pounds
- (c) 28 pounds
- (d) 40 pounds

10. This graph shows how the average turkey weight

- (a) stayed the same from 1967 to 2007.
- (b) went down from 1967 to 2007.
- (c) went up from 1967 to 2007.
- (d) None of the above

