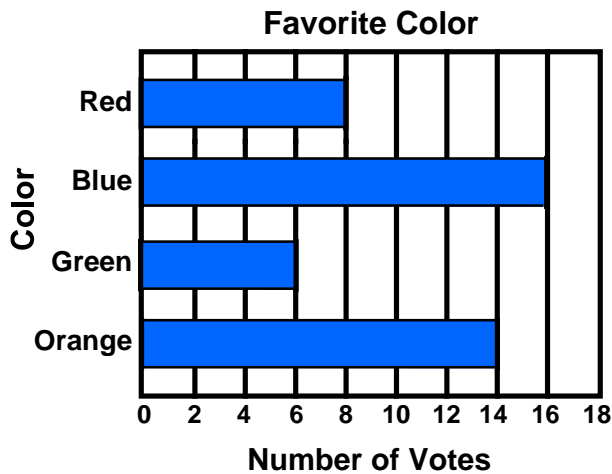Name _____   Date _____

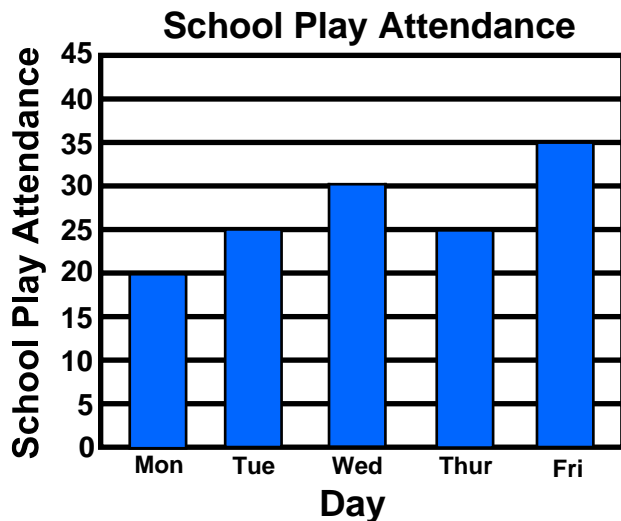# Graph Data
Skill 3 - 9F

Read a Bar Graph

Directions: Use the bar graph to answer the questions.

1. Nina took a class survey. She asked each student to vote for their favorite color. She recorded the votes in this horizontal bar graph.

Favorite Color

a. How many students voted for red and green?

b. How many students voted for orange and green?

c. How many more students voted for blue than red?

d. How many more students voted for orange than green?

2. Mr. Jackson made this vertical bar graph after the school play was over at the end of the week.

School Play Attendance

a. How many people attended the school play on Thursday?

b. How many people attended the play on Monday and Tuesday?

c. How many more people attended the play on Friday than on Monday?

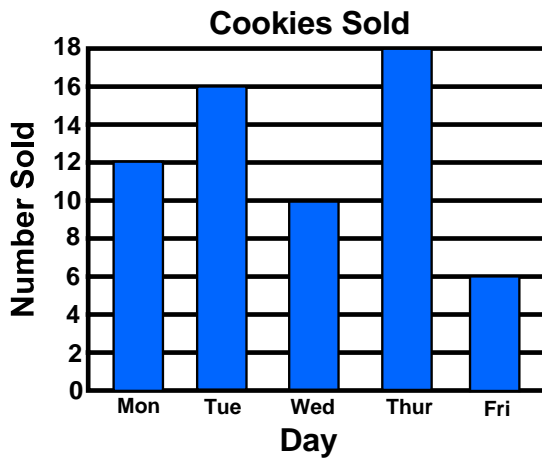**d.** Which day did the fewest number of people attend?

Name _____   Date _____

Graph Data
Skill 3 - 9F
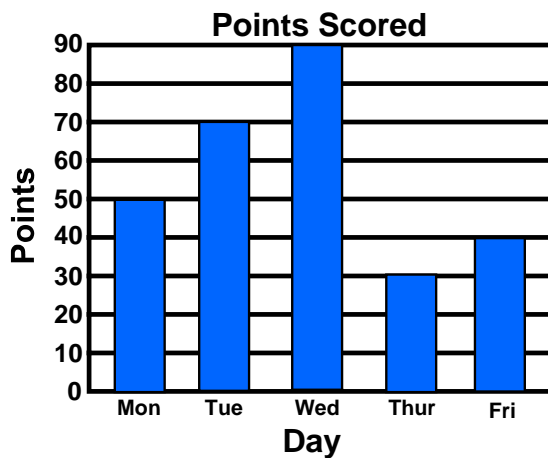
Read a Bar Graph

Directions: Use the bar graph to answer the questions.

3. John's school held a cookie sale to raise money for a field trip. John made this vertical bar graph after the cookie sale was over.

Cookies Sold

a. How many cookies were sold on Wednesday?

b. How many cookies were sold on Thursday?

c. How many more cookies were sold on Tuesday than on Wednesday?

d. How many cookies were sold on Thursday and Friday?

4. Jason's school basketball team played in a tournament for five days. Each day Jason recorded his teams score and on Friday he made this vertical bar graph.

Points Scored

a. How many points did the team score on Tuesday?

b. How many more points were scored on Wednesday than on Friday?

c. On which day did the team score the fewest points?

d. How many points did the team score on Thursday and Friday?
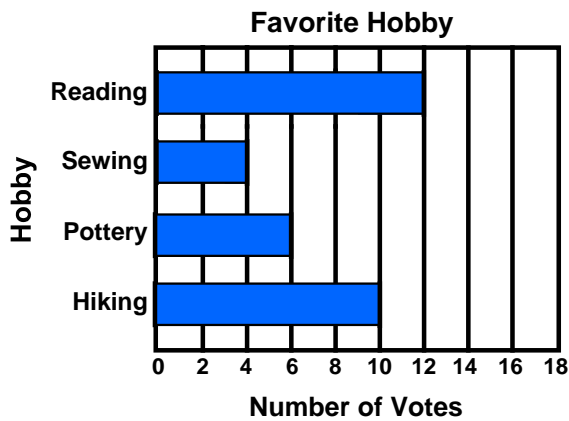
2

Graph Data
Skill 3 - 9F
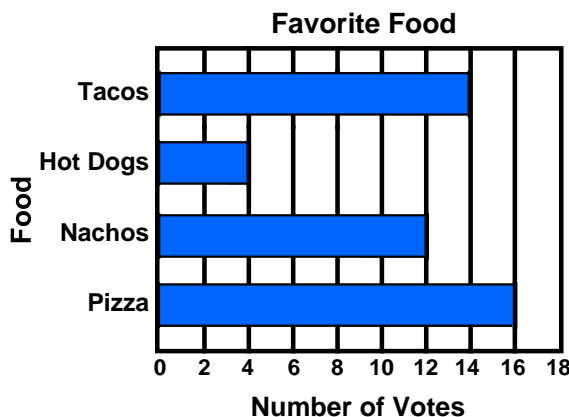
Read a Bar Graph

Directions: Use the bar graph to answer the questions.

5. Marcia took a class survey. She asked each student to vote for their favorite hobby. She recorded their votes in this horizontal bar graph.

a. Which hobby received the most votes?

Favorite Hobby

b. Which hobby received the fewest votes?

c. How many more students voted for reading than for sewing?

d. How many students voted for hiking and pottery?

6. Lisa took a survey. She asked friends to vote for their favorite food. She recorded their votes on a tally table. Then she made a horizontal bar graph.

a. How many of her friends voted for nachos?

Favorite Food

b. How many of her friends voted for tacos?

c. How many more voted for pizza than hot dogs?

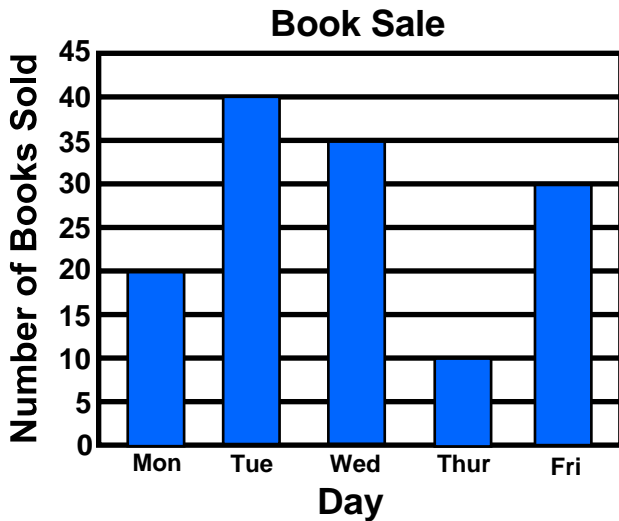**d.** Which food received the most votes?

Graph Data
Skill 3 - 9F
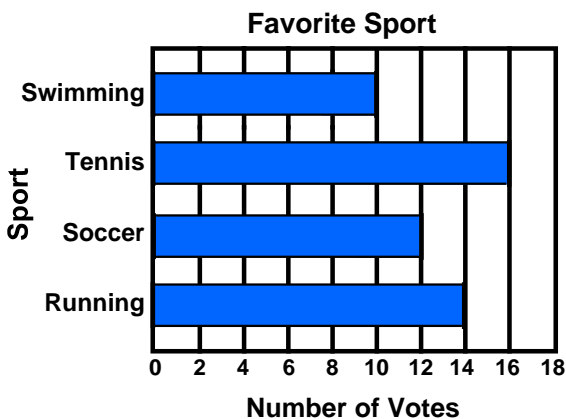
Read a Bar Graph

Directions: Use the bar graph to answer the questions.

7. Albert's school held a book sale to raise money for a field trip. Albert made this vertical bar graph after the book sale was over.

a. How many books were sold on Friday?

b. On which day were the most books sold?

c. How many more books were sold Tuesday than Thursday?

d. Explain why this bar graph is called a vertical bar graph.

8. Julie took a survey of her classmates. Each student voted for their favorite sport. Julie put the results in this horizontal bar graph.

a. How many students voted for soccer?

b. Which sport received the fewest votes?

c. How many more students voted for running than swimming?

d. Explain why this bar graph is called a horizontal bar graph.

Answer Key
Skill 3 - 9F

1. **a.** 14 **b.** 20 **c.** 16 - 8 = 8 more **d.** 14 - 6 = 8 more

2. **a.** 25 **b.** 45 **c.** 35 - 20 = 15 more **d.** Monday

3. **a.** 10 **b.** 18 **c.** 16 - 10 = 6 more **d.** 18 + 6 = 24

4. **a.** 70 **b.** 90 - 40 = 50 more **c.** Thursday **d.** 30 + 40 = 70

5. **a.** reading **b.** sewing **c.** 12 - 4 = 8 more **d.** 10 + 6 = 16

6. **a.** 12 **b.** 14 **c.** 16 - 4 = 12 more **d.** pizza

7. **a.** 30 **b.** Tuesday **c.** 40 - 10 = 30 more **d.** Data is read using vertical bars.

8. **a.** 12 **b.** swimming **c.** 14 - 10 = 4 **d.** Data is read using horizontal bars.