

Name _____

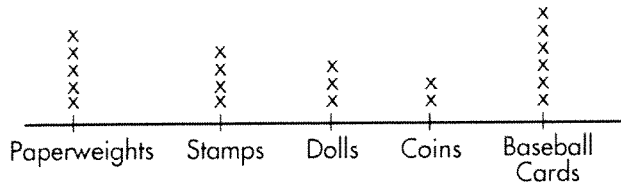
Class Surveys

The students in Ms. Young's fifth-grade class completed several surveys and then organized the results in different graphs.

Decision Making

Use the line plot below to answer questions 1 and 2.

Students in Ms. Young's Class



1. How many students responded to the survey? _____
2. What question do you think was asked for this survey?

Use the frequency tables below for questions 3 and 4.

Favorite Dessert	
Apple pie	2
Brownies	4
Chocolate cake	6
Ice cream	7
Fruit	1

Second-Favorite Dessert	
Apple pie	6
Brownies	2
Chocolate cake	6
Ice cream	4
Fruit	2

3. The school needs to choose two types of desserts to serve at a class picnic. Which two desserts would you suggest?

4. If the school needed to choose only one type of dessert to be served at the class picnic, which dessert would you suggest?

Name _____

Quick Check

18-1

For questions 1 through 4, use the frequency table.

**Number of Hours Spent
Doing Homework in a Week**

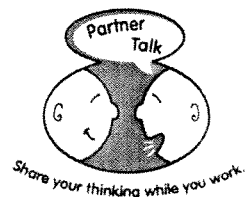
Hours	Students
1	1
2	3
3	11
4	9
5	4

- How many students responded to the survey?
 - 4
 - 11
 - 22
 - 28
- How many students spend 4 hours doing homework in a week?
 - 4
 - 9
 - 11
 - 15
- How many students spend 2 or fewer hours on homework each week?
 - 1
 - 3
 - 4
 - 9
- Writing to Explain** Make a line plot that shows the information in the table.

Quick Check 18-1

Display the Digits

0 1 2 3 4 5 6 7 8 9

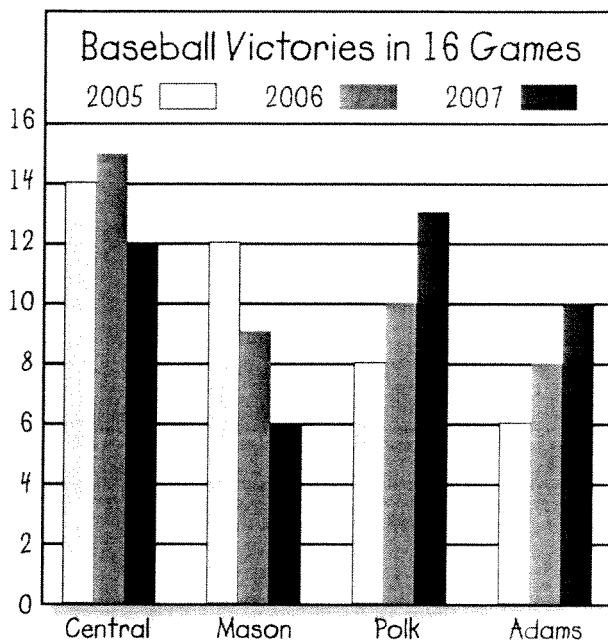


Get Started



Read the question. Use the bar graph to answer the question. Stack the tile in the space below your answer. Display each 0 – 9 tile exactly once. If you have a partner, take turns.

- 0 Which team won the most games in the three-year period?
- 1 Which team lost the most games in the three-year period?
- 2 Which team showed the greatest improvement from 2005 to 2007?
- 3 Which team showed the greatest decline from 2005 to 2007?
- 4 Which team won the same number of games as it lost in the three-year period?
- 5 Which team won 27 games in the three-year period?
- 6 Which team won the most games in 2007?
- 7 Which team lost one-third the number of games that Mason lost in the three-year period?
- 8 Which team won half as many games in 2007 as it did in 2005?
- 9 Which team lost the most games in 2006?



Central	Mason
Polk	Adams

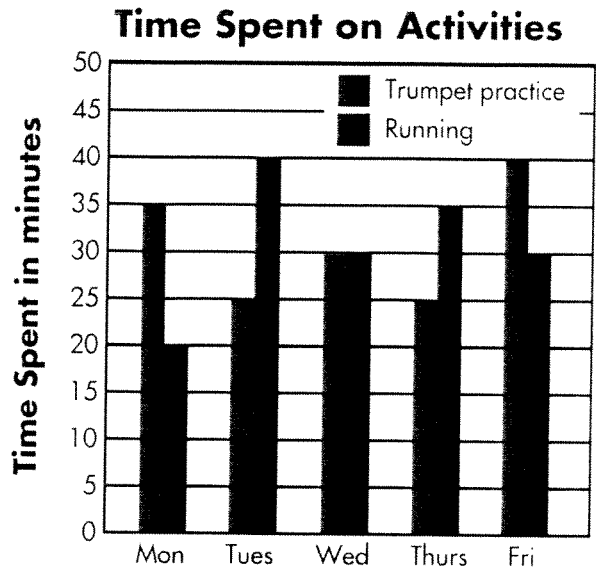
If you have more time

Make up other questions about the data in the bar graph. Ask your partner to display the answers with 0 – 9 tiles.

Name _____




Use the double-bar graph at the right to answer questions 1 and 2.

- Jonelle plays trumpet in the band and runs on the track team. The double-bar graph shows her practice time for one school week. On which day did she spend the most time practicing her trumpet?
 - A Monday
 - B Tuesday
 - C Wednesday
 - D Friday



- The picture graph to the right shows the results of a traffic study of the number of cars passing certain intersections on a Saturday. How many cars passed First and Main?

Traffic at Intersections

Intersection	Number of Cars
Wilson and Main	
First and Main	
High and Jefferson	

Key:  = 200 cars

- A 7 B 700 C 1,000 D 1,400
- Writing to Explain** Everyone at Springfield School voted on the spring outing. The data below tell how many people voted for each choice. Show the data on a picture graph. Include all the parts of the graph.

Zoo 160, Park 80, Museum 40, Amusement Park 200

Quick Check 18-2