

MY Homework

Lesson 3

Draw Scaled Bar Graphs

Homework Helper



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Rodney surveyed his classmates to find which season they like best. First, he recorded the data in a tally chart. Then, he used the data to make a bar graph. How many more students voted for summer than for either spring or fall?

Favorite Seasons	
Season	Tally
Fall	
Winter	
Spring	
Summer	

Eight students voted for summer.
Four students voted for spring.
Two students voted for fall.

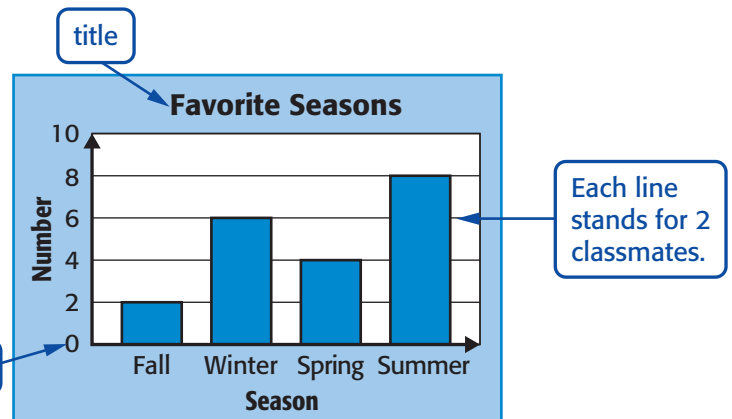
Find $8 - (4 + 2)$.

$$\begin{array}{r}
 8 - (4 + 2) \\
 \begin{array}{r}
 8 - 6 \\
 \hline
 2
 \end{array}
 \end{array}$$

Add.

Subtract.

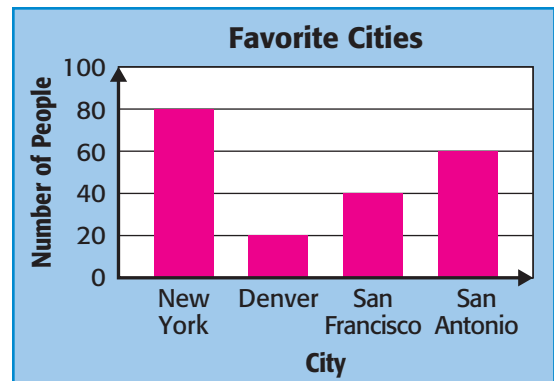
So, 2 more students voted for summer than for either spring or fall.



Practice

1. Display the set of data below in a vertical bar graph.

Favorite Cities	
City	Frequency
New York	80
Denver	20
San Francisco	40
San Antonio	60

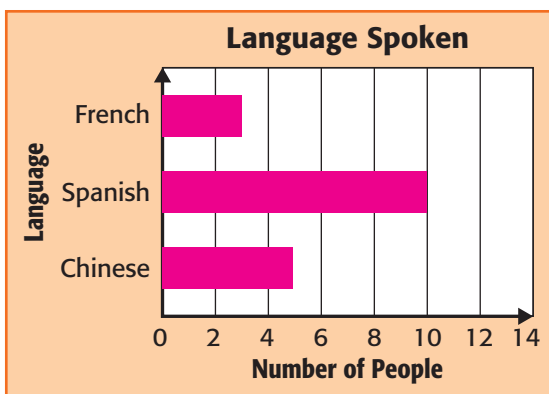


Mathematical PRACTICE 4

Model Math Display the data in a horizontal bar graph. Use the graph to answer Exercises 3–4.

2.

Language Spoken	
Language	Tally
French	
Spanish	
Chinese	



3. How many people participated in the survey?

18 people

Mathematical PRACTICE 2

Use Number Sense How many more people speak Spanish than Chinese and French combined?

2 people

Vocabulary Check



Write the definition of each. **Sample answers given.**

5. bar graph **a graph that uses bars to show data**

6. scale **a set of numbers that represents data organized into equal intervals**

Test Practice

7. Refer to the bar graph. How many more paper clips does Mrs. Anderson have than pencils and glue sticks together?

- (A) 0 paper clips
- (B) 5 paper clips
- (C) 10 paper clips
- (D) 15 paper clips

