

Bar Graphs

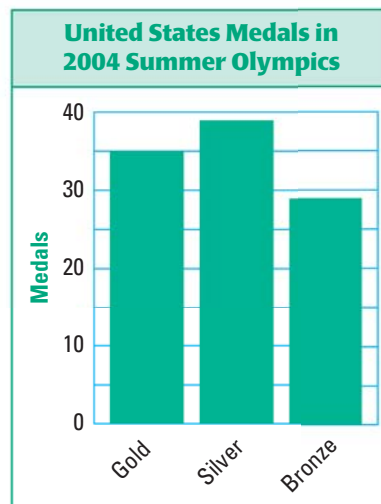


You can use a **bar graph** to display and compare data that are in categories.

EXAMPLE

Use the bar graph, which shows the medals won by the United States in the 2004 Summer Olympics. (a) Did the United States win more gold medals, silver medals, or bronze medals? (b) How many more silver medals than bronze medals did the United States win?

- The longest bar on the graph is for silver medals won.
 - ▶ The United States won more silver medals than any other type.
- The bar for silver medals shows 39 silver medals won. The bar for bronze medals shows 29 gold medals won.
 $39 - 29 = 10$
 - ▶ The United States won 10 more silver medals than bronze medals.



PRACTICE

In Exercises 1–3, use the bar graph above.

- The United States won fewer of which type of medal than any other type?
- How many more silver medals than gold medals did the United States win?
- How many medals did the United States win altogether?

In Exercises 4–11, use the bar graph below, which shows the top medal-winning countries in the 2002 Winter Olympics.

- Which country won the most medals? How many medals did it win?
- How many medals did Norway win?
- Which two countries won 17 medals each?
- Which country won the same number of medals as France?
- How many countries won more than 15 medals?
- Which country won twice as many medals as Austria?
- How many medals did Russia and Italy win altogether?
- How many medals did the top 3 medal-winning countries win?

