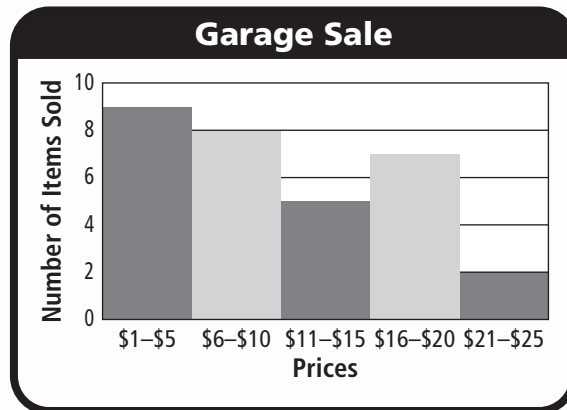


Name _____

Analyze Histograms**Essential Question** How can you analyze data in a histogram?**UNLOCK the Problem** REAL WORLD

The histogram shows the number of items sold at a garage sale within each price range.

**ERROR Alert**

Remember to read the intervals. For some questions, you may need to combine data from two or more intervals in order to answer the question.

**How many of the items sold cost \$6 to \$10?**

- Find the interval labeled \$6–\$10.
- Find the frequency.
- The bar for \$6–\$10 shows that _____ items were sold.

So, _____ of the items sold cost \$6 to \$10.

**How many of the items sold cost \$16 to \$25?**

- Find the frequencies for the intervals labeled \$16–\$20 and \$21–\$25.
- The bar for \$16–\$20 shows that _____ items were sold. The bar for \$21–\$25 shows that _____ items were sold.
- Add the frequencies.

$$7 + \underline{\quad} = \underline{\quad}$$

So, _____ of the items sold cost \$16 to \$25.

Math Talk

Explain why you cannot tell from the histogram the total amount of money that was made during the garage sale.

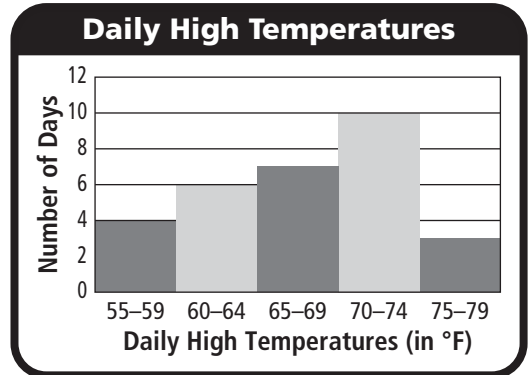
Share and Show



For 1–3, use the histogram at the right.

1. The histogram shows the number of days in one month whose temperatures were within each temperature range. On how many days was the temperature at or above 70°F?

- List the bars that represent temperatures at or above 70°F.
_____ and _____
- The frequency for interval 70–74 is _____, and the frequency for interval 75–79 is _____.
- Add the frequencies. _____ + _____ = _____



The daily high temperature was at or above 70°F on _____ days.

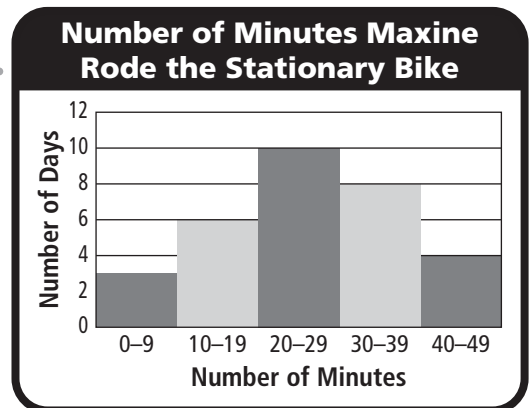
2. On how many days was the temperature 65°F to 69°F?

3. On how many days was the temperature less than 65°F?

On Your Own

For 4–5, use the histogram at the right.

4. Which interval has the greatest frequency? _____
5. How many days did Maxine ride the stationary bike for 30 or more minutes? _____



Problem Solving



For 6–7, use the histogram at the right.

6. How many people voted in the election?

7. How many more voters were there from ages 41–50 than from ages 21–30?

