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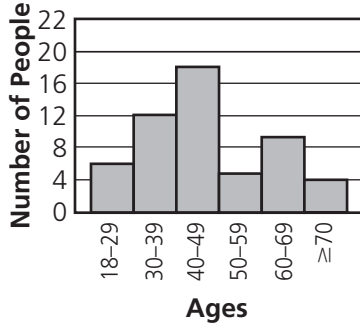
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A **histogram** is a graph that shows the frequency of something broken down in continuous intervals.

An **interval** is part of a range. Intervals are usually the same size.

Continuous intervals have no gaps between them.

AGES OF SURVEY RESPONDERS

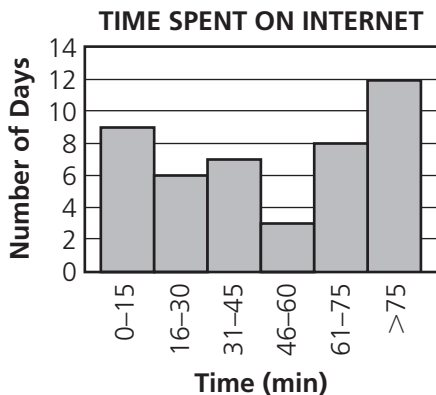


The scale on the horizontal axis shows the intervals represented by the bars. Each interval begins where the previous interval ends.

The scale on the vertical axis shows the frequency. The height of each bar tells how many people are in the age intervals shown.

Read each problem. Circle the letter of the best answer.

Use this histogram to answer questions 1–4.



1 What interval is the median time located in?

- A 0–15
- B 31–45
- C 46–60
- D > 75

Count the number of days shown on this histogram by adding the heights of each bar: $9 + 6 + 7 + 3 + 8 + 12 = 45$. The median time occurs on the middle day, which is day 23. The first three bars represent 22 days, so day 23 is the first day in the fourth bar. This interval of time is 46–60 minutes. The correct answer is C.

2 What is the mode interval on this histogram?

- A 0–15
- B 31–45
- C 46–60
- D > 75

3 On how many days were more than 60 minutes spent on the Internet?

- A 8
- B 12
- C 20
- D 23

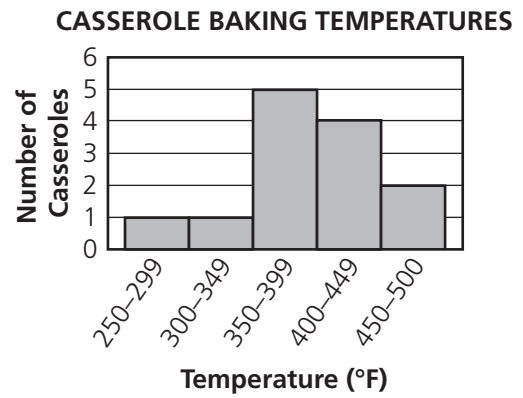
4 What interval shows three more days than the interval of 16–30 minutes?

- A 0–15
- B 31–45
- C 46–60
- D 61–75

Read each problem. Write your answers.

5 The baking temperatures for different casserole recipes are shown in this histogram.

A How many recipes are represented in the histogram?

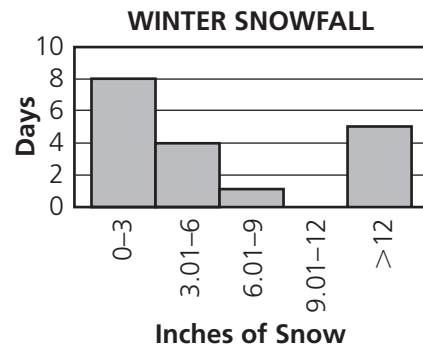


Answer: _____

B Explain how you know.

6 This histogram shows the inches of snow that fell during one winter.

A Name an amount of snowfall that could be the median of this data.



Answer: _____

B On what fraction of days were there more than 6 inches of snowfall?

Answer: _____

C Explain how you know your answer to part B is correct.
