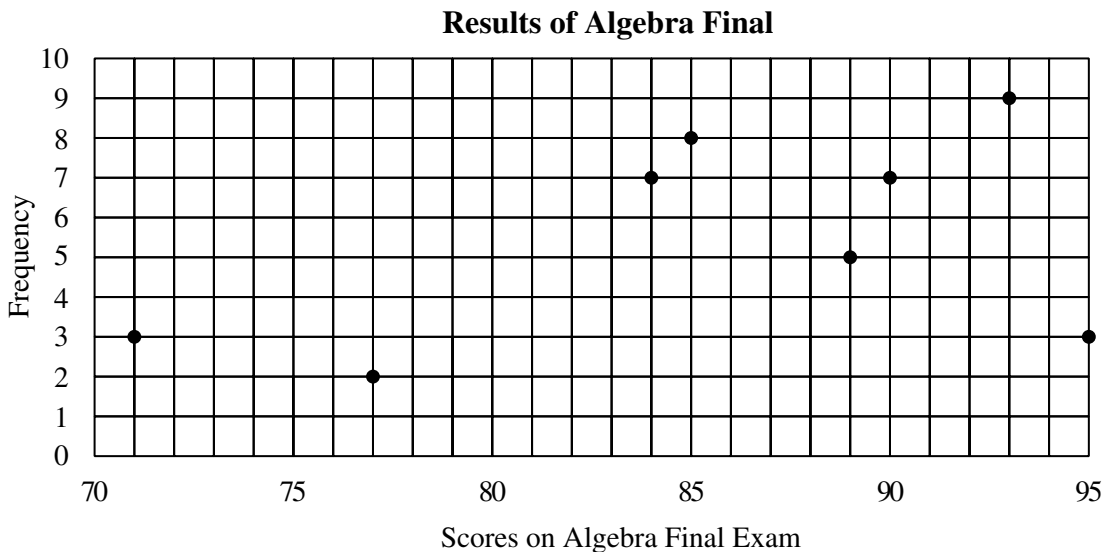


- 5 A survey is conducted to find the most popular food among eighth-grade students at a school. Which of the following sampling methods would give the **most** accurate results?
- A. choose every fourth student in an alphabetical list of all eighth-grade students
 - B. choose every eighth-grade teacher and every eighth-grade parent
 - C. choose every fourth student in an alphabetical list of all eighth-grade girls
 - D. choose every eighth-grade student athlete

- 6 The graph below shows the frequency of test scores on the algebra final exam.



What is the **mode** of the algebra final exam scores?

- A. 88
- B. 89
- C. 93
- D. 95

Questions 7 and 8 are short-answer questions.

- 7 What is the y -intercept of the graph represented by the equation below?

$$y = \frac{4}{5}x - 2$$

- 8 The stem-and-leaf plot below shows the ages of the people who bought skateboards at a store during a sale.

Ages of People

Stem	Leaf
1	1 3 4 5 5 6 6 6 8
2	0 1 7 8
3	9
4	3 6
6	5 5
7	1

Key
6 2 = 62

What is the median age of the people who bought skateboards during the sale?