1. This table shows the lengths that several students jumped in a standing long-jump competition. Use the table to answer question 1 and 2.

Jumps Made

32 in.	27 in.
28 in.	28 in.
20 in.	34 in.
26 in.	35 in.

What is the mean length of the jumps?
A. 20 in.
B. 23 in.
C. 28.75 in.
D. 30 in.

2. What is the median of the jumps?

Jumps Made

32 in.	27 in.
28 in.	28 in.
20 in.	34 in.
26 in.	35 in.

A. 3 in.
B. 15 in.
C. 28 in.
D. 30 in.

3. Eduardo asked his classmates how many siblings they had. The data he collected is shown below.

0, 4, 3, 2, 3, 1, 0, 1, 2, 1, 2,
3, 6, 1, 0, 5, 1, 0, 3, 2, 2, 4

What is the interquartile range of the data set?
A. 1
B. 2
C. 3
D. 6

4. Here are the yearly salaries of the people who work at Good Grow Garden Center.

Good Grow Garden Center
Annual Salaries

$12,000	$20,000
$12,000	$23,000
$12,000	$31,000
$18,000	$32,000
$18,000	$98,000

One salary is an outlier. Which of the following changes the most if the outlier is eliminated?
A. Mean
B. Median
C. Mode
D. None of these

Here are the test scores for a group of 50 students.

80	60	100	85	50	80	75	60	70	85
70	100	70	80	80	85	85	95	85	95
95	80	95	70	70	100	60	95	60	80
85	95	50	85	80	70	80	70	80	95
75	60	80	95	75	80	85	95	100	80

The frequency of a score is the number of times that score appears in the set of data. Review the table below. Then use the table to answer questions 5-7.

Test Score	Frequency	Relative Frequency %	Cumulative Frequency
50	2	4%	2
60	5	10%	7
70	7	14%	14
75	3	6%	
80	12	24%	
85	8	16%	
95	9	18%	
100	4	8%	
	Sum: 50	Sum: 100%	

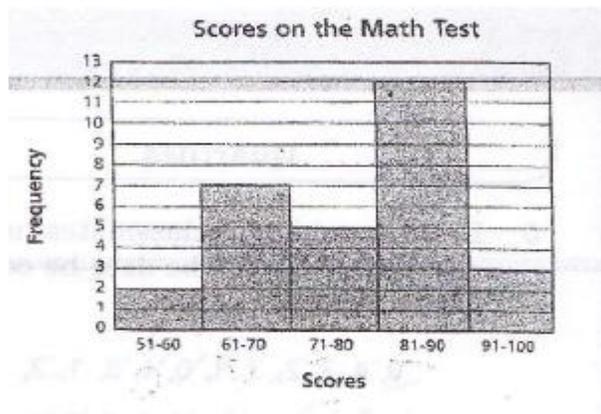**5. How many students received a score of 75?**

A. 3
B. 6
C. 7
D. 17

6. What percent of the students received a score of 75?

A. 3%
B. 6%
C. 17%
D. 75%

7. How many students received a score of 75 or lower?

A. 3
B. 6
C. 17
D. 75

8. The histogram below shows the frequency of scores on a math test.

Scores on the Math Test

How many test scores are recorded on the graph in all?

A. 5
B. 18
C. 29
D. 100

9. Which of these is a statistical question?

A. Where did you go for vacation last year?
B. Did it rain yesterday?
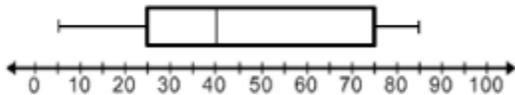C. How many pets do the students in a class have?
D. Have you been to the museum?

10. Five children born in 2005 looked through their parents coins for quarters dated 2005. Their results are in the data table.	11. The Key Club at school made a box-and-whisker plot of the service hours reported by students.

10. Five children born in 2005 looked through their parents coins for quarters dated 2005. Their results are in the data table.

2005 QUARTERS	
NAME	NUMBER OF QUARTERS
Beth	4
Carter	6
David	7
Ebony	9
Frank	9

What is the mode?

A. 4
B. 5
C. 7
D. 9

11. The Key Club at school made a box-and-whisker plot of the service hours reported by students.

Volunteer Service Hours

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Which phrase best describes the data of the students who reported between 16.5 and 23 hours of service for the Key Club?

A. The middle 25%
B. The middle 50%
C. The top 25%
D. The top 50%

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12. A survey of 6th graders is conducted to determine how much money they have saved. The results are used to create the box- and-whisker plot shown.
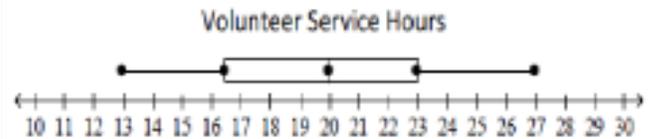

0 10 20 30 40 50 60 70 80 90 100

Which statement can be concluded from the plot?

A. $\frac{1}{2}$ of the 6th graders have between $40 and $75 saved.
B. $\frac{1}{4}$ of the 6th graders have between $25 and $40 saved.
C. The 6th grader with the most money saved has $75.
D. More 6th graders said they had $40 than any other amount.

13. Brenton recorded his bowling score for 4 games.

Game #	Score
1	96
2	187
3	85
4	176

Which statement does not correctly describes the spread of the data?

A. The mean of the data is 136
B. The range of the data is 102
C. The median of the data is 136
D. The range of the data is 80

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14. Kevin said that 36 was the middle number in a data set listed in order. Which term would define Kevin's statement?

A. Mean
B. Median
C. Mode
D. Range

15. Malik's spelling test scores are listed in the box.

80, 95, 98, 84, 79, 93, 87, 75, 84, 99

What is the range of Malik's scores?

A. 10
B. 24
C. 80
D. 99