

A.17

1. During a summer reading program, Mary read 9 books. The books contained 217 pages, 138 pages, 159 pages, 356 pages, 270 pages, 112 pages, 138 pages, 210 pages, and 195 pages. What was the median number of pages of the 9 books that Mary read during the summer reading program?

- A 138
- B 159
- C 195
- D 244

2. In which data set is the median value equal to the mean value?

- A {2, 4, 6, 7, 8}
- B {12, 18, 20, 23, 24}
- C {16, 17, 18, 19, 20}
- D {50, 60, 65, 75, 85}

3. Jorge made the following stem-and-leaf diagram of the weights of the members of the football team he was coaching.

Stem	Leaf
10	9
11	
12	3, 8
13	2, 4, 4, 6, 8
14	1, 3, 5, 5, 9
15	2, 3, 7, 7, 9
16	1, 3, 7, 8, 8, 8, 9
17	3, 8

What was the mode of the weight of the players on the team?

- F 145
- G 150
- H 152
- J 168

4. Barry's daily grades for one grading period are shown below.

94, 88, 87, 92, 78, 88, 93, 100, 92, 90, 92, 85

What was the mode of his daily grades?

- F 93
- G 92
- H 91
- J 90

5. The stem-and-leaf plot shows the results of a science experiment in which 12 plants were each given a different combination of water and nutrients over a period of time and their growth in millimeters measured.

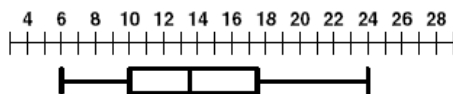
Millimeters Growth

0	8
1	2,4,4,4,5,7,8
2	2,4,6
3	1

What was the median number of millimeters of growth?

- A 14
- B 15
- C 16
- D 17

6. Scott made a box-and-whisker graph of the soccer goals made by the players in his district.



What is the range of the goals made by the players?

- A 24
- B 18
- C 6
- D 4

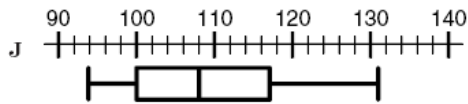
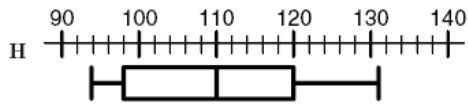
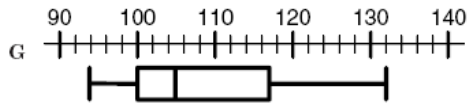
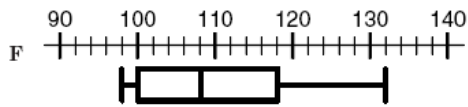
7.

Researchers testing a new high blood pressure medication measured the initial blood pressure data of 15 patients before testing the drug.

Diastolic B.P.

Stem	Leaf
9	4, 5, 8
10	0, 2, 3, 4, 8
11	1, 6, 7, 7
12	2, 7
13	1

Which box-and-whisker graph best represents the stem-and-leaf plot?



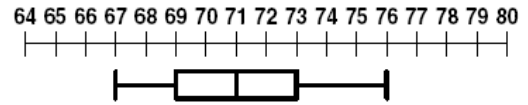
8.

Carol went on a 5-day bicycle trip. She rode 23 miles the first day, 22 miles the second, 21 miles the third, 17 miles the fourth, and 17 miles the fifth day. What was the mean number of miles per day that Carol rode on her 5-day bicycle trip?

- A 6 mi.
- B 20 mi.
- C 21 mi.
- D 23 mi.

9.

Alberto made the box-and-whisker graph of the heights (in inches) of the members of his basketball team.



What is the range of heights of the team members?

- F 16 in.
- G 9 in.
- H 4 in.
- J 2 in.

10.

Joe's New Car dealership lists the following prices for this year's models.

\$10,469, \$12,895, \$15,499, \$17,999,
\$18,595, \$21,245, \$10,395, \$14,985

What is the range in prices?

- A \$15,260
- B \$15,242
- C \$10,850
- D \$10,776

11.

The chart below shows the ages in years of the girls on two Olympic teams.

Gymnastics	14	17	15	15	16	13	12
Swimming	15	17	19	12	14	18	12

What is the difference in the median ages of the two teams?

- F 0 yrs
- G 1 yrs
- H 2 yrs
- J 3 yrs