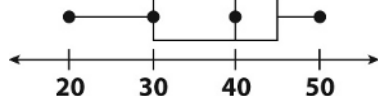


**UNIT**  
**7**

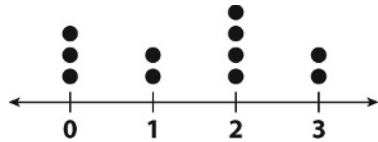
**Measurement and Data**

**Unit Test: D**

- Alana rode her bicycle 10 miles on Tuesday and 20 miles on Wednesday. What is the mean number of miles she rode her bike in the two-day period?  
A 10 mi  
B 15 mi  
C 20 mi
- What is the mean absolute deviation?  
A 5  
B 10  
C 20
- What is the median of the data represented in the box plot below?



- What is the maximum value of the data represented in the line plot below?  
A 2  
B 3  
C 4
- What is the median of the set {4, 5, 6}?  
A 4  
B 5  
C 6



**Use the table for 6–8.**

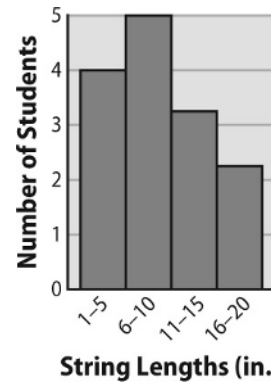
- What is the mean for the data set below?

1	2	4	4
5	6	6	8

- What is the mean absolute deviation?  
A 4.5  
B 5.0  
C 6.0
- What is the mean absolute deviation?  
A 1.5  
B 1.75  
C 2
- What is the median for the data below?  
{5, 10, 12, 20}

- 11
- 11.5
- 12

**Use the histogram for 9 and 10.**



The histogram shows the lengths of kite strings held by students in a contest.

- How long were most students' kite strings?  
A 1–5 in.                      C 11–15 in.  
B 6–10 in.
- Kai's kite string was 7.5 inches long. In which group was he?  
A 1–5 in.                      C 16–20 in.  
B 6–10 in.

**UNIT**  
**7**

**Measurement and Data**

Use the table for 11–16.

**Student Scores**

80	82	90	92	86
74	68	88	90	98

In the table above, Mr. Durkin recorded the score each student in his class earned on a math test.

11. What is the mean score for the students in Mr. Durkin’s class?

\_\_\_\_\_

12. What is the mean absolute deviation?

\_\_\_\_\_

13. What is the median score for the students in Mr. Durkin’s class?

\_\_\_\_\_

14. What is the mode of the data?

\_\_\_\_\_

15. Draw a box-and-whisker plot to show the data.

16. What is the first quartile for the data?

\_\_\_\_\_

Use the table for 17–20.

Shoe size	Number of boys
6.5–8	3
8.5–10	5
10.5–12	7

The table above shows the number of boys with common shoe sizes.

17. Draw a histogram to show the data.

\_\_\_\_\_

18. How many boys’ shoe sizes are recorded?

\_\_\_\_\_

19. Are there more boys with shoe sizes 6.5 to 10 or with sizes 10.5 to 12?

\_\_\_\_\_

20. Thom wears a size 9 shoe. In which bar is his shoe size recorded?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_