

## Averages: Mean, median & mode

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### Data and Graphing Worksheet

Find the mean, median and mode for the data in each word problem. Show your work.

1. There are 5 shelves and the librarian recorded the following number of books on each shelf: 45, 48, 45, 40, 42.

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

2. In previous soccer games that Ryan played in, he scored 14, 17, 11, 12, 14, and 10 goals.

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

3. Elizabeth sold her handmade bracelets at a bazaar for 10 days. She made \$64, \$56, \$80, \$70, \$70, \$74, \$90, \$70, \$85 and \$95 in sales.

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

## Answers

1. There are 5 shelves and the librarian recorded the following number of books on each shelf: 45, 48, 45, 40, 42.

40, 42, 45, 45, 48

$$40 + 42 + 45 + 45 + 48 = 220$$

$$220 \div 5 = 44$$

Mean: 44          Median: 45          Mode: 45

2. In previous soccer games that Ryan played in, he scored 14, 17, 11, 12, 14, and 10 goals.

10, 11, 12, 14, 14, 17

$$(12 + 14) \div 2 = 13$$

$$10 + 11 + 12 + 14 + 14 + 17 = 78$$

$$78 \div 6 = 13$$

Mean: 13          Median: 13          Mode: 14

3. Elizabeth sold her handmade bracelets at a bazaar for 10 days. She made \$64, \$56, \$80, \$70, \$70, \$74, \$90, \$70, \$85 and \$95 in sales.

56, 64, 70, 70, 70, 74, 80, 85, 90, 95

$$(70 + 74) \div 2 = 72$$

$$56 + 64 + 70 + 70 + 70 + 74 + 80 + 85 + 90 + 95 = 754$$

$$754 \div 10 = 75.4$$

Mean: 75.4          Median: 72          Mode: 70