

Reteach

Median, Mode, and Range

The **median** is the middle number of the data put in order, or the mean of the middle two numbers.
 The **mode** is the number or numbers that occur most often.

Example The table shows the costs of seven different books. Find the mean, median, and mode of the data.

mean: $\frac{22 + 13 + 11 + 16 + 14 + 13 + 16}{7} = \frac{105}{7}$ or 15

To find the median, write the data in order from least to greatest.

median: 11, 13, 13, 14, 16, 16, 22

To find the mode, find the number or numbers that occur most often.

mode: 11, 13, 13, 14, 16, 16, 22

The mean is \$15. The median is \$14. There are two modes, \$13 and \$16.

Book Costs (\$)			
22	13	11	16
14	13	16	

The **range** of a set of data describes how the data

Example Find the range of the data in the table. Then write a sentence describing how the data vary.

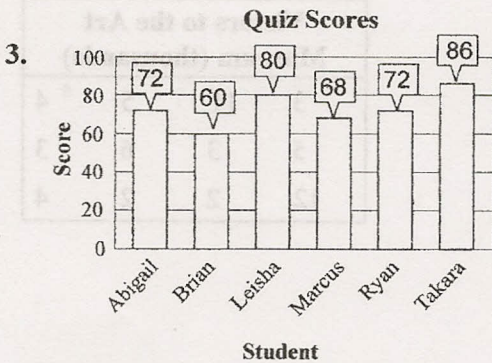
The greatest value is 63. The least value is 32. So, the range is $63^\circ - 32^\circ$ or 31° . The range is large. It tells us that the data vary greatly in value.

Temperatures		
32°	40°	50°
55°	60°	63°

Find the mean, median, mode, and range of each set of data.

1. hours worked: 14, 13, 14, 16, 8

2. points scored by a football team:
29, 31, 14, 21, 31, 22, 20



4. **Snowfall (in.)**

0	2	2	3	3	3
5	5	6	7	8	