

Determine Mode, Median, and Range

Median	Mode	Range
The median is the middle value when the data are arranged in order. If there are two middle values, add them and then divide by 2.	The mode is the value or values that occur most often. A set of data can have more than one mode or no mode.	The range is the difference between the greatest value and least value in a set of data.

The median, mode, and range can be used to describe a set of data.

Step 1 Order the data values from least to greatest.

16, 16, 18, 18, 20, 22, 23

Step 2 Find the median. 16, 16, 18, **18**, 20, 22, 23

- Find the **middle** value. The median is **18**.

About half of Jim's friends did more than **18** push-ups; about half of his friends did fewer than **18** push-ups.

Step 3 Find the mode. 16, 16, **18, 18**, 20, 22, 23

- Find the value(s) that **occur most often**. The modes are **16** and **18**.

More friends did **16** or **18** push-ups.

Step 4 Find the range. 16, 16, 18, 18, 20, 22, 23

- Subtract the **least** value from the **greatest** value. $23 - 16 = 7$

The range is **7**. The spread of the data is **7** push-ups.

Jim's Friends	Push-Ups
Ernie	18
Max	22
Ben	23
Luz	16
Jess	18
Sara	16
Vika	20

Find the median, mode, and range.

1 Bowling scores: 92, 56, 80, 62, 66, 59, 100, 58

median: _____ mode: _____ range: _____