

Mode

The **mode** is the piece of data that repeats **most often** in a group.

Example 6

State the mode for these weights: 4 grams, 8 grams, 12 grams, 8 grams, 4 grams, 6 grams, and 4 grams.

Since 4 grams occurs the most (3 times), the mode is 4 grams.

Example 7

Determine the mode for the following costs of shoes (all in \$): 24, 51, 193, 51, 78, 24, 93, 51, 77

Since \$51 occurs the most, the mode is \$51.00

Example 8

State the mode for the following set of values: 8, 9, 9, 9, 10, 10, 12, 12, 12, 15.

Both 9 and 12 occur 3 times and the most. Therefore, the mode is 9 and 12.

Example 9

Find the mode for the following data set: 13, 17, 15, 20, and 23

Since each number occur once, there is No mode.

Example 10

The data in the table shows the number of different kinds of kid's bikes sold at a bicycle shop last week:

The mode would be used because it is listed as the most popular.

Bike Name	# Sold
Devastator	9
Crunchy Cookie	13
Air Force One	5
Speed Demon	11

Would you use the **mean**, the **median**, or the **mode** to determine which of the bikes was the most popular?