

Mean, Median, and Mode

Find the mean, median, and mode of this data set: 12, 11, 5, 2, 7, 3, 4, 4.

The **mean** is the average of the numbers in a data set.

To find the mean, add all of the numbers together and divide by the number of numbers.

$$\frac{12 + 11 + 5 + 2 + 7 + 3 + 4 + 4}{8} = 6$$

So, the mean of this data set is 6.

The **median** is the middle number.

To find the median, write the numbers in order and cross out numbers until you reach the middle. If you end up with two numbers in the middle, find the mean of those numbers!

$$\begin{array}{c} \cancel{2}, \cancel{3}, \cancel{4}, \cancel{4} | 5, 7, \cancel{11}, \cancel{12} \\ \downarrow \\ \frac{4 + 5}{2} = 4.5 \end{array}$$

So, the median of this data set is 4.5.

The **mode** is the number that appears the most. The mode of this data set is 4 since it is the only number that appears twice.

Find the mean, median, and mode of each data set. If no numbers appear more than once in a data set, you can write that there is no mode.

<p>5, 8, 12, 6, 7, 10, 14, 6, 13</p> <p>Mean = <u>9</u></p> <p>Median = <u>8</u></p> <p>Mode = <u>6</u></p>	<p>12, 16, 9, 17, 13, 8, 16</p> <p>Mean = <u>13</u></p> <p>Median = <u>13</u></p> <p>Mode = <u>16</u></p>
<p>41, 27, 30, 32, 30, 26, 17, 28, 30</p> <p>Mean = <u>29</u></p> <p>Median = <u>30</u></p> <p>Mode = <u>30</u></p>	<p>64, 91, 68, 79, 91, 123</p> <p>Mean = <u>86</u></p> <p>Median = <u>85</u></p> <p>Mode = <u>91</u></p>
<p>81, 72, 70, 80, 77, 77, 60, 67</p> <p>Mean = <u>73</u></p> <p>Median = <u>74.5</u></p> <p>Mode = <u>77</u></p>	<p>95, 97, 100, 86, 78, 96</p> <p>Mean = <u>92</u></p> <p>Median = <u>95.5</u></p> <p>Mode = <u>no mode</u></p>