

Mean, Median Mode, & Range

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First arrange the numbers in order by size.
Example 3 ,5, 5, 6, 8, 10, 12

Mean

Median

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Mean = the **average** of a set of numbers

- 1) Add the numbers together
- 2) Divide by the number of numbers that were added.

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Ex.

$$3+5+5+6+8+10+12 = 49$$

$$49 \div 7 = 7 \quad \text{Mean} = 7$$

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Median = the **middle** number of a sequence

- 1) Arrange the numbers in order from least to greatest
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Ex. 3 ,5, 5, **6**, 8, 10, 12

$$\text{Median} = 6$$

Ex. 3 ,5, **6, 8**, 10, 12

$$6+8=14 \quad 14 \div 2=7$$

$$\text{Mean} = 7$$

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Ex. 3 ,**5**, **5**, 6, 8, 10, 12

Mode = 5

Ex. 3 ,5, 6, 8, 10, 12

No Mode

Ex. 3 ,**5**, **5**, 6, **8**, **8**, 10, 12

Mode = 5 & 8

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Mode = 5

Ex. 3 ,5, 6, 8, 10, 12

No Mode

Ex. 3 ,**5**, **5**, 6, **8**, **8**, 10, 12

Mode = 5 & 8

Range = the **difference** between the least and the greatest number

- 1) Arrange the numbers in order from least to greatest
- 2) Subtract the least from the greatest number

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No Mode

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Mode = 5 & 8

Range = the **difference** between the least and the greatest number

- 1) Arrange the numbers in order from least to greatest
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Example 3 ,5, 5, 6, 8, 10, 12

$$12 - 3 = 9$$

Range = 9