

January 21, 2015

absolute Value

$$|a| = a$$

absolute Value Base

* Absolute Value means the "Distance" something is away from zero.

Examples

- ① $|+13| = +13$
- ② $|-13| = +13$
- ③ $|10-8| = |2| = 2$
- ④ $|8-10| = |-2| = 2$

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$$\frac{|7|}{1} = 7$$

$$-7 = (-1) \cdot 7$$

$$-|7| = (-1) \cdot |7| = (-1) \cdot 7 = -7$$

negative one on the outside of abs.

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Place Value

* Base 10 number system.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9

* Base 2

0, 1

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Place Value in Base 10

6 → six ones → |||||

① 2 things |||

ones place value

Tens Place Value

10 things + 2 things = 12 things

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$$9 + 1 = 10$$

ones

Tens

Hundreds

Thousands

⋮

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1	4	6	2
1000s	100s	10s	1s
↑	↑	↑	↑
x^3	x^2	x^1	x^0

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Rounding

① $148 = 100$
 ↑
 100's
 Nearest 100!

② $163 = 200$
 ↑
 greater than 5

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1,000,000 100,000 10,000 1,000 100 10 1

4, 6 2 8, 3 9 4

① 4, 6 2 8 4 0 0

② 4, 6 0 0, 0 0 0

① Read & Do
 "C" #2

② Read "D"

* Quiz #2 - Friday

① Quiz #1

② Symbols

Jan 21-9:43 AM