

Absolutely Positive things you need to know about absolute value. Absolute value is the <u>distance</u> a number is from <u>EUO</u> \_\_\_\_, means "the absolute value of \_QWMDEC." The absolute value symbol. positive Absolute value is always represented as a \_ How can number lines can help us understand absolute value? What is |-5|? The number line shows that -5 is five spaces from  $\pm 100$ . Therefore, |-5| is  $\frac{5}{200}$ . Use the number lines to find the absolute values of the numbers. spaces from 200. Therefore, |7| is +. What is |7|? The number line shows that 7 is \_\_\_\_\_\_\_ What is |-12|? The number line shows that -12 is  $\underline{12}$  spaces from  $\underline{0}$ . Therefore, |-12| is  $\underline{12}$ Find the absolute value of the numbers. What is |30|? What is |-15|? What is |22|? What is |-9|?

Class\_\_\_\_

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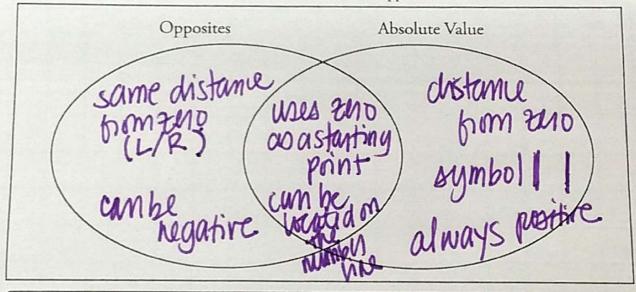
## Absolute Value in Action

Finding the about			
Finding the absolute value of other rational numbers	Find the absolute value.	Find the absolute value. $\left  -\frac{3}{4} \right $	Find the absolute value.
Find the absolute     value of other rational     numbers is the SAME	8.3	3 4	15.94
as finding the absolute value of integers.  2. Remember: absolute value is ALWAYS	Find the absolute value.	Find the absolute value.   -0.06	Find the absolute value. $\left  \frac{11}{12} \right $
positive.	.37	.06	11/2
Evaluating Expressions	Evaluate the expression.	Evaluate the expression.	Evaluate the expression.
Evaluating     expressions means to	- -12	-7 + 3	$ -1  \times  -30 $
find the value of an expression (numbers,	-12	7+3	1 x 30
symbols, and operators without an		[0	30
equal sign).	Evaluate the expression.	Evaluate the expression.	Evaluate the expression.
2. Remember: negative signs outside of the	26  ÷  -13	156 56 156	44  -8
absolute value symbol are not a part of the absolute value.	26:13	410-56	44 - 8
- -4  = -4	2		36
In the real world	Re-write the sta	tements about real-world absolute value of the num	scenarios using
Words and phrases that indicate negative		m −10 feet under the wa	
numbers (such as "below sea level") are used with the absolute value of numbers instead of using negative numbers.			ft belowsed
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## Opposites vs. Absolute Value

What are the similarities and differences between opposites and absolute value?



## Mixed. Match.

Match the mixed phrases with the numbers the phrases represent.

Mixed phrases	Number
The opposite of  -11	-11
The absolute value of the sum of 9 + 23.	32
The opposite of the integer between $\left -8\right $ and $\left -10\right $	-9
The absolute value of 11	11
The opposite of the number graphed on the number line.  -5 -4 -3 -2 -1 0   2 3 4 5	4

٨	Match	
	-9	
	4	
	-11	
	11	
	32	