

Algebra 1 9/15

Warm Up IXL
4th Grade
G.4

0-3 Operations with Integers

I can add, subtract, multiply, and divide integers

Absolute Value

a number's distance from zero on a number line

Opposites

a pair of integers with the same absolute value

the positive and negative version of the same number

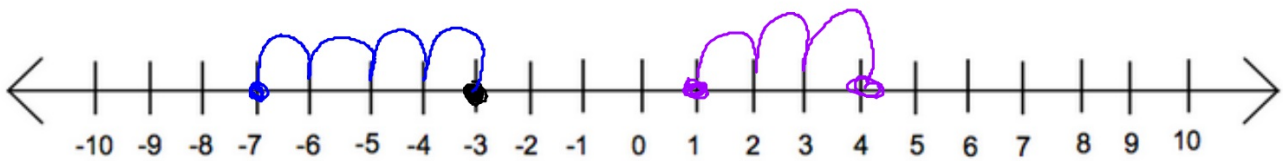
-5 and 5 or 12 and -12

Additive Inverses

two numbers that when added together result in zero so a number and its opposite are additive inverses

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Ex. 1 Use a number line to find $-3 + (-4)$



$$-7$$

$$1 - (-3)$$
$$4$$

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Ex. 2 Find $-11 + (-7)$

$$\underline{-11} + \underline{(-7)} = -11 - 7$$
$$-18$$

Ex. 3 Find $18 - 23$

$$\textcircled{-5}$$

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Multiplying and Dividing Integers

Same Signs

$$\begin{array}{c} + + = \\ \text{+} \end{array} \quad +$$

$$\begin{array}{c} - - = \\ \text{+} \end{array} \quad +$$

Different Signs

-

$$\begin{array}{c} - + = \\ \text{-} \end{array} \quad -$$

$$\begin{array}{c} + - = \\ \text{-} \end{array} \quad -$$

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Ex. 4 Find each product or quotient

A. $4(-5)$

-20

C. $-12(-14)$

168

B. $-51 \div (-3)$

17

D. $-63 \div 7$

-9

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