

Adding Integers and Subtracting Integers

6th Grade Mathematics

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Adding and Subtracting Integers

Rules for adding and subtracting integers.

Remember subtracting means to add its opposite, so change all subtracting problems to addition.

Rule 1: Signs the same, add and keep the sign.

Rule 2: Signs different, subtract and keep the sign of the larger number.

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Rules for adding and subtracting integers.

Rule 1: Signs the same, add and keep the sign.

$$-7 + -5$$

$$-12$$

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Rules for adding and subtracting integers.

Rule 2: Signs different, subtract and keep the sign of the larger number.

$$-8 + 5$$

Subtract, $8 - 5$ equals 3, and keep the sign of the 8, which is negative.

$$-3$$

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Rules for adding and subtracting integers.

$$8 - -4$$

Change the two negative to a positive.

$$8 + 4$$

$$12$$

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Example 1: Find each sum or difference.

$$-18 + 4$$

signs the same or different

different

subtract, keep sign of larger number

$$-14$$

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Example 2: Find each sum or difference.

$$30 + (-25) + (-15)$$

$$5 + (-15)$$

$$-10$$

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Example 3: Find each sum or difference.

$$6 + -6$$

$$0$$

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Example 4: Find each sum or difference.

$$7 - 11$$

Rewrite

$$7 + -11$$

$$-4$$

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Example 5: Find each sum or difference.

$$-4 - 8$$

Rewrite

$$-4 + -8$$

$$-12$$

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Example 6: Find each sum or difference.

$$-3 - -11$$

$$-3 + 11$$

$$8$$

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Example 7: Find each sum or difference.

$$-34 - -25$$

$$-34 + 25$$

$$-9$$

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Example 8: Find each sum or difference.

$$-90 - (-80) - 20$$

$$-90 + 80 - 20$$

$$-10 - 20$$

$$-10 + -20$$

$$-30$$

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The End!