

Simplifying Expressions Warm-Up #1

Use the commutative and distributive properties to rewrite each expression.
Show all steps and circle your final answer in standard form.

1. $2x + 5 + 3x - 8$

2. $2(-3x) - 4(8) + 5(2x) - (-2)$

3. $2(x + 1)$

4. $\frac{6x + 12}{-3}$

5. $-6(2x - 3)$

6. $-3x + 7(2 + 3x)$

6th grade Fast Math
Simplifying Expressions I.P.

Name: _____

Date: _____ Pd: _____

Use the commutative and distributive properties to rewrite each expression.
Show all steps and circle your final answer in standard form.

1. $10 - 7m + (-15) + 10m$

2. $-x - 25 - (-5x) + (-7) - (-11) + (-8x)$

3. $2(3m + 2) - 4(2m - 12)$

4. $\frac{1}{3}(-6x + 18)$

5. $-6(13 - 2k) + 4(k - 2)$

6. $\frac{24 - 16x}{-8}$

7. $\frac{2}{5}(10y - 5) - 6$

8. $(8c - 14)(-1.5)$

1

Simplify the expression below:

$$18x + 5 - 7x - 9$$

- A) $25x - 4$ Mrs. Whitaker
 B) $25x + 14$ Mrs. Fitzhugh
 C) $11x - 4$ Mrs. Tassmer
 D) $11x + 14$ Mr. Fitzhugh
 E) $25x - 14$ Ms. Bennett

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Simplify the expression below:

$$5m - 17 - 5 + 2m$$

- A) $7m - 22$ excited
 B) $7m - 12$ nervous
 C) $7m + 12$ shocked
 D) $3m - 22$ confused
 E) $3m + 12$ thrilled

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3

Simplify the expression below:

$$20 - 10y - 7y + 9$$

- A) $3y - 29$ grading papers
 B) $3y + 11$ coaching football
 C) $3y + 29$ surfing
 D) $-17y + 11$ drinking coffee
 E) $-17y + 29$ flying a kite

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4

Simplify the expression below:

$$-15k - 1 + 12 + 2k$$

- A) $-17k + 13$ Elmo
 B) $17k + 13$ Justin Bieber
 C) $17k + 11$ Taylor Swift
 D) $-13k + 11$ Lady Gaga
 E) $-13k + 13$ Peyton Manning

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5

Simplify the expression below:

$$12x - 13 - x - 9 + 10x$$

- A) $21x + 4$ the 4th of July
 B) $21x - 22$ Friday night
 C) $x + 4$ Halloween
 D) $x - 22$ Valentine's Day
 E) $x + 22$ the last day of school

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6

Simplify the expression below:

$$10 - 7w - 13 - 7w + 15$$

- A) 12 Disney World
 B) 18 Target
 C) $-14w + 12$ Starbucks
 D) $-14w + 18$ the zoo
 E) $-14w + 38$ the police station

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Simplify the expression below:

$$10a - 7b + 11 + 8a - b - 12$$

- A) $2a + 6b - 1$ a boat
 B) $2a - 6b - 1$ a plane
 C) $2a - 8b - 1$ a hot-air balloon
 D) $18a - 6b - 1$ a tank
 E) $18a - 8b - 1$ a police car

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8

Simplify the expression below:

$$-c + 5d + 7c - 11d + d - 3c$$

- A) $9c - 5d$ pajamas
 B) $5c + 17d$ bow-ties
 C) $3c - 5d$ gorilla costumes
 D) $3c + 17d$ tu-tus
 E) $5c - 5d$ sunglasses

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9

Simplify the expression below:

$$7a^2 + 10a - 3a - 2a^2$$

- A) $9a^2 + 13a$ doing back-flips
 B) $9a^2 - 13a$ eating pies
 C) $9a^2 + 7a$ solving equations
 D) $5a^2 - 13a$ juggling
 E) $5a^2 + 7a$ wrestling a bear

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10

Simplify the expression below:

$$x^2 - 3xy - 5xy - 7y^2 + 4x^2 + 8y^2$$

- A) $5x^2 - 8xy + y^2$ to impress everyone
 B) $5x^2 - 2xy + 15y^2$ to promote world peace
 C) $-3x^2 - 8xy + y^2$ to show how cool math is
 D) $-3x^2 - 2xy + 15y^2$ to win a bet
 E) $5x^2 - 2xy + y^2$ to end world hunger

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Combining Like Terms "MATH LIB"!

Directions: Write down each expression, then simplify by combining like terms. Identify your answer and fill in the blanks at the bottom to complete the story.

- 1) _____ = _____
- 2) _____ = _____
- 3) _____ = _____
- 4) _____ = _____
- 5) _____ = _____
- 6) _____ = _____
- 7) _____ = _____
- 8) _____ = _____
- 9) _____ = _____
- 10) _____ = _____

.....

(1) _____ was (2) _____

to be (3) _____ with

(4) _____ on (5) _____ at

(6) _____ in (7) _____ wearing

(8) _____ while (9) _____ because they

wanted (10) _____!