

Unit 2.3



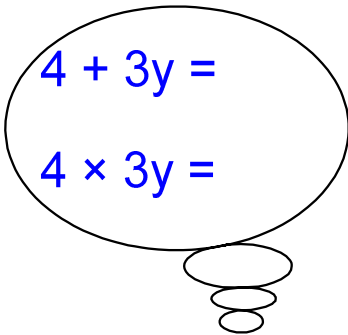
Multi-Step Equations

Today's Learning Targets:

2.3 I can solve a linear equation by using the distributive property and/or combining like terms

2.6 I can write and solve equations for real-life situations.

What is the difference???

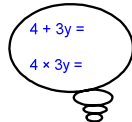


Add Like Terms

1. $4x + 2x$

2. $-7y + 4 + y + y^2$

3. $a^2 + 3a^3 - 2a^2$



Unit 2.3

Solve Algebraically:

Steps

1. Can I simplify anything first?
2. Solve.
3. Check my solution.

$$7p + 8p - 12 = 48$$

$$2x - 4 + x = -13 + 5$$

You Try!

1. $15 + 4x + -3 = -8$

2. $3 + 15 = 5x - 3 + 2x$

What is the difference???

$$y + y =$$

$$y \times y =$$

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Distributive Property



$$5(x + 2)$$

$$(x + y)xy$$

Solve Algebraically:

Steps

1. Can I simplify anything first?
2. Solve.
3. Check my solution.

$$7(2x - 4) = 0$$

$$-3(x + 7) = -12$$

You Try!

1. $4(x - 7) = 20$

2. $3(4 + x) = 39$

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Solve Algebraically:

$$\frac{1}{2}(x+1) = 9$$



$$\frac{2}{3}(x-6) = -2$$
