

Unit 0.6



Expressions

Today's Learning Targets:

0.6 - I can simplify an expression by adding like terms.

Evaluate the equations.

$$3 + 3 + 3 =$$

$$3 \times 3 \times 3 =$$

Evaluate the equations.

$$y + y + y =$$

$$y \times y \times y =$$

Simplifying Algebraic Expressions

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$$3x + 7 + x + 2$$

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Definition: **Like terms** are terms with the same _____ to the same _____.

Which from this group are like terms?

$$\begin{array}{ccc} 4y & 5x^2 & 2y \\ x^2 & 2x & 12 & -8y & 5x \\ -8x & 7y^2 & 3 \end{array}$$

Identify the like terms in the following expressions.

$$3x + 4y + 4x$$

Simplify.

$$4x + 6 + 2x$$

Simplify.

$$5x + 2 - x - 6$$

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Simplify.

1. $4x + 2x$

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

2. $-7y + 4 + y$

4. $b + 16 + b - 24$