Do Now:
Copy the definitions down into your notes sec

terms- the parts of an expression that are added together

like terms- terms that have identical variable parts

coefficient- the number part of the term, located in front of the variable

constant term- a number without a variable attached

Oct 6-7:42 AM

Do Now:
Simplify the expressions below.

1. $-5(x + 10)$
2. $3(1 - 20 + (-5))$

Sep 29-9:07 PM

Do Now: (If finished with workbook)
Evaluate the expressions below. What do you notice?

p. 21 #1-12 #25, 26
p. 23 #1-12, 21

1. $4(12 + 3)$ = 60
   4(15)
2. $4(12) + 4(3)$ = 60
   48 + 12
3. $5(27 - 2)$ = 125
   5(25)
4. $5(27) - 5(2)$ = 125
   135 - 10

Oct 6-7:25 AM

2.7 The Distributive Property

7.NS
7.EE

- SWBAT use the distributive property to evaluate and to write an equivalent variable expression.
- SWBAT create, evaluate, and simplify algebraic expressions involving variables.

Calculators: No

Sep 18-9:44 AM

The Distributive Property

$a(b + c) = ab + ac$

$(b + c)a = ab + ac$

$a(b - c) = ab - ac$

$(b - c)a = ab - ac$

Sep 22-10:04 AM

Use the distributive property to evaluate the expression.

1) $8(k + 4)$

$8(k) + 8(4)$

$8k + 32$

2) $-5(-8 + (-3) - 10)$

$-5(-8) + (-5)(-3) - (-5)(10)$

$40 + 15 - (-50)$

$55 - (-50)$

$55 + 50$

105

Sep 29-9:07 PM

1) 2 (w - 8) = 2w-16

2) -8 (z + 25) = -8z + (-200)
= -8z - 200

3) -2 (5 + 12) = -34

4) -4(-7-10+6)
-4(-7) - (-4)(10) + (-4)(6)
28 - (-40) + (-24) PEMDAS
28 + 40
68 + (-24)
68 - 24
44

Sep 22-9:56 AM

terms- the parts of an expression that are added together

like terms- terms that have identical variable parts

coefficient- the number part of the term, located in front of the variable

constant term- a number without a variable attached

Sep 29-10:00 PM

Label the parts of the expression.

$5x - 4x + 7$

Terms 5x, -4x, 7

Like terms 5x, -4x

Coefficient 5, -4

Constant 7

Combine like terms

Simplify 5x-4x+7

x+7

Oct 6-7:16 AM

Simplify the expression by combining like terms.

1) 3x + 4x = 7x

2) -9y + 7y + 5z = -2y+5z

Don't be a hero!

Diff signs

9

-7

-2

Sep 22-10:17 AM

3) 12a + 3a = 15a

4) -7b + 6 - 3b + 10 = -10b + 16

K C O

-7b - 3b 6+10

-7b + (-3b) 16

-10b

Hero

Oct 6-7:17 AM

Simplify the expression.

1) 2(4 + x) + x

2(4) + 2(x) + x

8 + 2x + x

8 + 3x

Sep 29-10:46 PM

2) $-5(3x - 6) + 7x - 18$

$-5(3x) - (-5)(6) + 7x - 18$

$-15x \ominus (\ominus 30) + 7x - 18$

$-15x + 30 + 7x - 18$

$-15x + 7x$

$-8x$

$30 - 18$

12

$-8x + 12$

Oct 6-7:20 AM

3) $5 - 4(2j - 4j)$

$5 + (-4)(2j) - (-4)(4j)$

$5 \oplus (\ominus 8j) \ominus (\ominus 16j)$

$5 \ominus 8j \oplus 16j$

$-8j + 16j$

$+8j$

$5 + 8j$

Oct 6-7:27 AM

Simplify the expression.

1) 4x - 7x

2) 5y + 9z - 7 - 3y

3) 5 (x - 6) + 3x + 4

4) 2d - 5 (d + 3)

Oct 6-7:20 AM

Exit Pass 2.2

1. Are 2(x + 1) and 2x + 1 equivalent variable expressions? Explain.

Sep 18-11:14 AM

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the worksheet.

Sep 18-11:05 AM

Reflection of Today's Lesson

2.7 The Distributive Property
7.NS
7.EE
- SWBAT use the distributive property to evaluate and to write an equivalent variable expression.
- SWBAT create, evaluate, and simplify algebraic expressions involving variables.

Sep 22-10:02 AM

Homework

pg. 88 #9-12, 14 - 32 evens

Sep 18-11:15 AM