

Warm-Up

Make a list of the things that we learned last week. After you made that list, made a list of any questions that you have about what we have learned so far.

Warm-Up

First block - grab paper from the front table.

Fold it in half “hotdog” style. Then divide into 6 sections like the example on the front table.

Homework Check

Perfect Squares Quiz

Return and discuss.

Remember that one day this week you might have another perfect square quiz. (Same questions, same amount of time, scrambled order)

Mid-Chapter Quiz Tomorrow

Will cover what we learned Wednesday-Today

Example questions:

1. Write the expression for the word phrase: “Twice the number n plus c tripled”
2. Knowing the steps for the order of operations
 - a. What does Ms. Barger prefer over “PEMDAS”?
3. Simplify the expression with work: $2^2 - 3^5(4+5)$
4. Estimate the square root to the nearest integer: $\sqrt{244}$

Mini Lesson - Variables and Expressions

9/4/2018

Please add this to your notes for today

32 more than a number n

58 less than a number n

8 times a number n

The quotient of a number n and 5

3 more than twice a number x

9 less than the quotient of 6 and a number x

The product of 4 and the sum of a number x and 7

Write a word phrase that represents the algebraic expression:

$$X + 8.1$$

$$5x - 1$$

Mini Lesson - Properties of Real Numbers

9/4/2018

Create foldable

Commutative
Property

Associative
Property

Identity Property
for Addition or
Multiplication

Inverse Property
for Addition or
Multiplication

Distributive
Property

Zero Product
Property

MS. I
1st
room
[lauren]
[anyone]
[M. N. N. N.]
Goddess

DAY
bring
ing
dance
After School

ES:
FRIDAY
Poster Making
S

Commutative Property

Commutative Property

“Commutative”

Change Order

Think of “commuting” to and from work - moving from one place to another.

Examples:

Associative Property

Associative Property

Associate with different groups = move parentheses

Examples:

Identity Property for Addition or Multiplication

Identity Property for Addition or Multiplication

A number has to keep its identity.

You can add 0 to a number and it keeps its identity

You can multiply a number by 1 and it keeps its identity

Examples:

Inverse Property for Addition or Multiplication

Inverse Property for Addition or Multiplication

What happens when you add a number by its opposite or multiply a number by its reciprocal?

Add a number to its opposite and the answer is 0.

Multiply a number by its reciprocal and the answer is 1.

Example:

Distributive Property

Distributive Property

Distribute = Give out

Distribute number to each part

Example:

Zero Product Property

Zero Product Property

Zero product = zero times a number

Example:

"Commutative"
= Change Order

$$\begin{aligned} 3 + 2 &= ___ + ___ \\ 5 \cdot 7 &= ___ \cdot ___ \\ 17 + 8 + 3 &= 17 + ___ + ___ \\ 5 \cdot 18 \cdot 2 &= 5 \cdot ___ \cdot ___ \end{aligned}$$

Associate with
Different Groups
= move parentheses

$$\begin{aligned} 6 + (4 + 8) &= (___ + ___) + 8 \\ 4 \cdot (5 \cdot 9) &= (___ \cdot 5) \cdot ___ \\ (4 + 2) + -2 &= 4 + (2 + -2) \end{aligned}$$

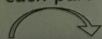
Add Zero to keep the
number's identity
OR
Multiply by One to keep the
number's identity

$$\begin{aligned} 975 + 0 &= ______ \\ 0 + ______ &= -7 \\ 5 + (-3 + 3) &= ______ \\ -28 \cdot ______ &= -28 \\ ______ \cdot 1 &= 3.75 \end{aligned}$$

Add a number to its
opposite, the answer is 0.
OR
Multiply a number by its
reciprocal, the answer is 1.

$$\begin{aligned} 3 + ______ &= 0 \\ -7.5 + ______ &= 0 \\ 2 \cdot \frac{1}{2} &= ______ \\ \frac{3}{4} \cdot ______ &= 1 \end{aligned}$$

Distribute = Give out
Distribute number to
each part



$$\begin{aligned} 4 \cdot (20 + 3) &= 4 \cdot ___ + 4 \cdot ___ \\ 6 \cdot (30 - 1) &= ___ \cdot 30 - ___ \cdot 1 \\ 8(\$0.99) &= 8(\$1) - 8(\$___) \end{aligned}$$

Zero Product =
Zero Times a number

$$\begin{aligned} 21 \cdot 0 &= ______ \\ -8 \cdot ______ &= 0 \\ 6 \cdot (-4 + 4) &= ______ \\ 0 \cdot (793 \cdot 516) &= ______ \end{aligned}$$

Homework

- Textbook page 7-8 #22-26 even, 40-44 even
- Textbook page 24-26, complete all “Got It?” questions
- Review for quiz tomorrow
- Stay on top of your perfect squares