Warm-Up 9/21/16

1) Which property of addition is used in the following ? (5 + 3) + 9 = 5 + (3 + 9)
- A. Commutative Property
- B. Identity Property
- C. Associative Property
- D. Distributive Property

2) Which of the following is an example of Commutative Property of Addition ?
- A. 9 + 4 = 7 + 9
- B. (2 + 8) + 6 = 2 + (8 + 6)
- C. 3 + 2 = 2 + 3
- D. 5 x 1 = 5

4) Which equation shows the Additive Inverse of a Number ?
- A. a + 0 = a
- B. a + a = 2a
- C. a x 0 = 0
- D. a + -a = 0

7) Which property is used in the following expression ? 5(4 + 3) = 20 + 15
- A. Distributive Property
- B. Commutative Property of Addition
- C. Associative Property of Addition
- D. Associative Property of Multiplication

9) Which equation shows the Addition Property of Zero ?
- A. a(b + c) = ab + ac
- B. (a + b) + 5 = a + (5 + b)
- C. a x 0 = 0
- D. a + 0 = a

12) Which is an example of Identity Property of Addition ?
- A. 6 + 4 = 4 + 6
- B. (4 + 7) + 3 = 4 + (7 + 3)
- C. 5 x 1 = 5
- D. 9 + 0 = 9

13) Simplify this expression : 5(y + z)
- A. 5y + z
- B. 5z + y
- C. 5yz
- D. 5y + 5z

Sep 21-8:22 AM

Warm Up

Identify like terms.

1. $3n^2$ $5n$ $2n^3$ $8n$

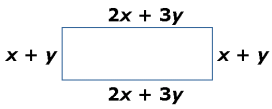
2. a^5 $2a^2$ a^3 $3a$ $4a^2$

Combine like terms.

3. $4a + 3b + 2a$

4. $x^2 + 2y + 8x^2$

5. Write an expression for the perimeter of the given figure.



Oct 7-3:32 PM

Converting Decimals Fraction and Percents

Sep 21-8:23 AM

Rational Numbers

A rational number is any number that can be written as a fraction $\frac{a}{b}$, where a and b are integers, and b cannot equal zero.

*Remember: We cannot have zero in the denominator because you can't divide a number by zero!

Sep 21-9:05 AM

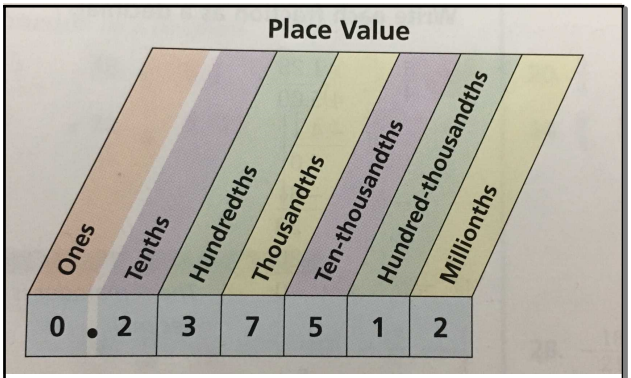
Simplify:

1. $\frac{5}{15}$ =

2. $\frac{21}{25}$ =

3. $\frac{-24}{32}$ =

Sep 21-9:08 AM



Sep 21-9:12 AM

Writing Decimals as Fractions

0.5

The 5 is in the tenths place so we put 5 over 10

$\frac{5}{10} \rightarrow \frac{1}{2}$

***Remember:**

ALWAYS SIMPLIFY!!

Sep 21-9:18 AM

What about these: (Show me your steps!)

-2.37 →

0.652 →

0.48 →

Sep 21-9:24 AM

Writing Fractions as Decimals

*Divide the numerator by the denominator

*** Remember: The numerator goes inside the box!**

1) $\frac{5}{4} \rightarrow 4\overline{)5}$

2) $\frac{1}{6} \rightarrow 6\overline{)1}$

Sep 21-9:38 AM

Try these!

1) $\frac{8}{15}$

2) $\frac{14}{5}$

3) $\frac{9}{20}$

Sep 21-9:42 AM

Converting to Percents

*Think of the % symbol as meaning out of 100

How would I turn $\frac{2}{5}$ into a percent?

1) Divide to get a decimal.

$5\overline{)2}$

2) Convert that decimal to a percent by multiplying by 100 (or moving the decimal place 2 times to the right)

$0.40 \rightarrow 40\%$

Sep 21-9:48 AM

How would I go from a percent to a decimal? What did I do to convert to a percent? Would I do the same thing?

$75\% \rightarrow 0.75.$

* To convert a percent to decimal, you will now divide by 100 (or move the decimal place 2 places to the left).

Then if you want to convert your decimal to a fraction, follow the same steps we did before.

Sep 21-9:55 AM

Try converting these!

1) 32% as a fraction

2) $\frac{7}{8}$ as a percent

3) 82.6% as a decimal

4) 1.3 as a percent

Sep 21-9:59 AM

Practice

Google Classroom

Converting Worksheet

Sep 21-10:02 AM