# Math
# Monday 3/13/2017

# One Step Equations

Show Page Notes

Equation: An equation is a number sentence.

Examples: n + 5 = 12  y quarters = $4

Variable: A variable is a letter that replaces a number.

Examples: n + 5 = 12  y quarters = $4

When you have a one step equation, ask yourself these 2 questions:

1. What is the equation asking?
2. What do I need to know to find the answer?

Example:

$4 = y quarters

1. What is the equation asking?

   How many quarters are in $4

2. What do I need to know to find the answer?

   How many quarters are in one dollar

Today, we are going to continue to practice working with equations.

Infinite Algebra 1 Name_____

# One-Step Equations

Date_____ Period____

**Solve each equation.**

1) $26 = 8 + v$

2) $3 + p = 8$

3) $15 + b = 23$

4) $-15 + n = -9$

5) $m + 4 = -12$

6) $x - 7 = 13$

7) $m - 9 = -13$

8) $p - 6 = -5$

7) $m - 9 = -13$

8) $p - 6 = -5$

9) $v - 15 = -27$

10) $n + 16 = 9$

11) $-104 = 8x$

12) $14b = -56$

13) $-6 = \frac{b}{18}$

14) $10n = 40$

15) $\frac{v}{8} = 2$

16) $16 = \frac{k}{11}$

17) $-15x = 0$

18) $-17x = -204$

19) $21 = -7n$

20) $\frac{m}{4} = -13$

21) $-126 = 14k$

22) $-143 = -11x$

23) $-16 + x = -15$

24) $-5 = \frac{a}{18}$

{−9}

{15}

23) $-16 + x = -15$

24) $-5 = \frac{a}{18}$

25) $-17 = x - 15$

26) $n - 8 = -10$

27) $\frac{v}{7} = 8$

28) $a + 11 = 20$

29) $-7 + m = 8$

30) $18 + m = 8$

Create your own worksheets like this one with **Infinite Algebra 1**. Free trial available at KutaSoftware.com

# Math
# Tuesday 3/14/2017

**So far, we have covered adding and subtracting in one step equations, but we also need to be able to multiply and divide!**

**Lets try a few (take notes in your notebook!)**

$$\frac{1}{3}x = 9$$

$$24x = 48$$

Lets Play a game! Youll need a whiteboard, cloth, and marker!

# Math
# Wednesday 3/15/2017

**Today you'll have some time to practice one step equations.**

# Math
# Thursday 3/16/2017

**You have a test tomorrow! (tests are worth 100pts)**

**Don't forget to study!**

**Today we will go over your study guide.**

# Algebra Test 1 Study Guide

1) Know your Properties!

Create flash cards, and write the math formulas that describe the following

Additive Identity

Multiplicative Identity

Multiplicative Property of Zero

Distributive Property

Additive Inverse

Multiplicative Inverse

Commutative property of Multiplication

Commutative property of Addition

Associative property of Multiplication

Associative property of Addition

2) Be able to convert a math sentence into an algebraic expression

eg: Twice x

X plus 5

The product of X and 5

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3) Know the difference between an algebraic expression and an equation.
Explain using the space provided:

4) Be able to solve one step equations.

eg: x-11= 16

2x = 10

x/2 = 14

x + 5 = 15

5) Be able to plug in a value for X and Y in order to solve the algebraic Expression

eg: X = 5, y=2

X+5=10

2x + y

5x

10 + y

# Math
# Friday 3/17/2017

# Test today! Clear your desk!