

Math
Monday 3/13/2017



One Step Equations

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:

$$\$4 = y \text{ quarters}$$

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) $10n = 40$



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



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



$$17) -15x = 0$$



$$18) -17x = -204$$



$$19) 21 = -7n$$



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



$$21) -126 = 14k$$



$$22) -143 = -11x$$



$$23) -16 + x = -15$$



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



127

23) $-16 + x = -15$



25) $-17 = x - 15$



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



29) $-7 + m = 8$



128

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



26) $n - 8 = -10$



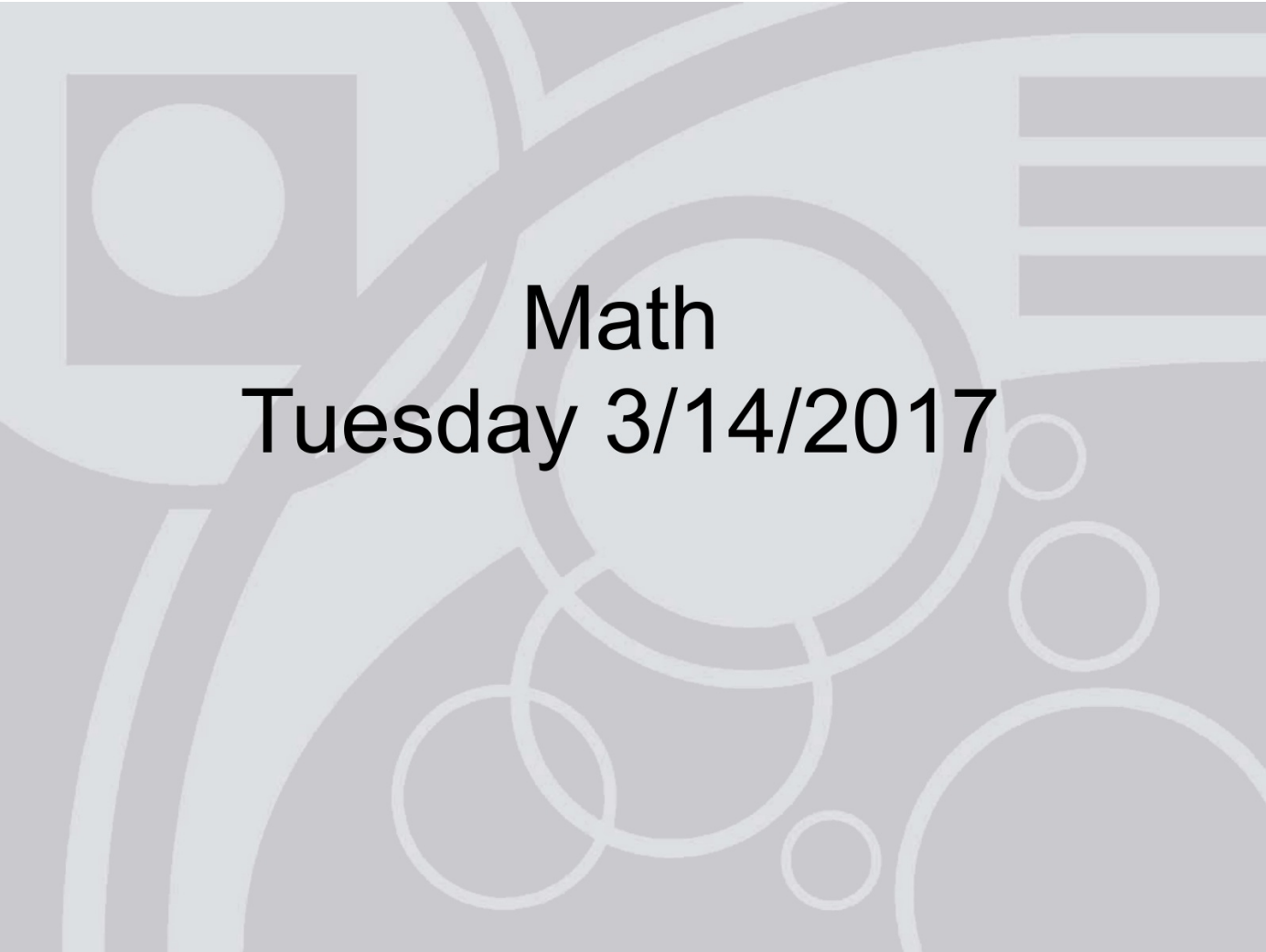
28) $a + 11 = 20$



30) $18 + m = 8$



Create your own worksheets like this one with **Infinite Algebra 1**. Free trial available at [KutaSoftware.com](https://www.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!)

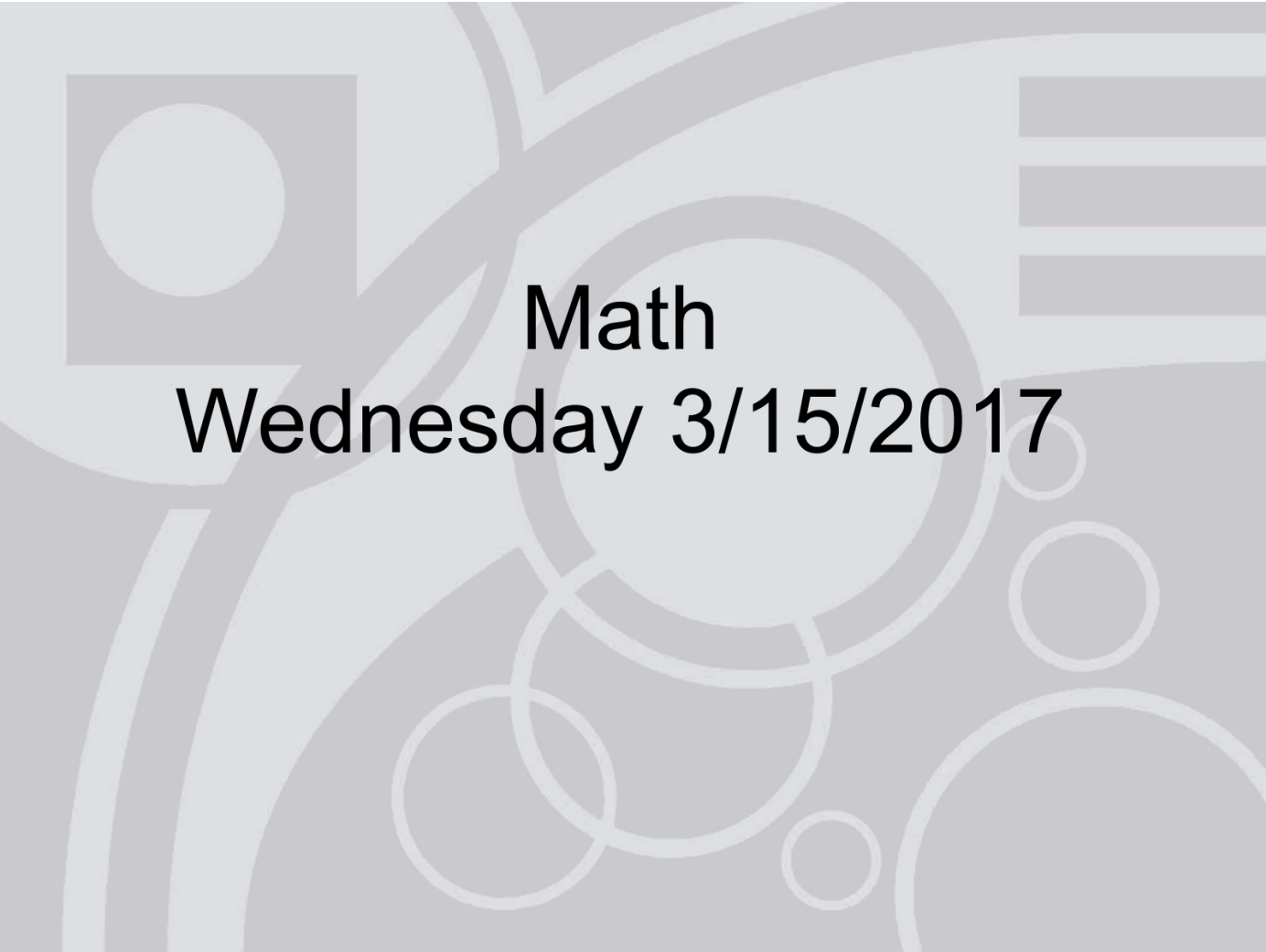
$$\frac{1}{3}x = 9$$



$$24x = 48$$

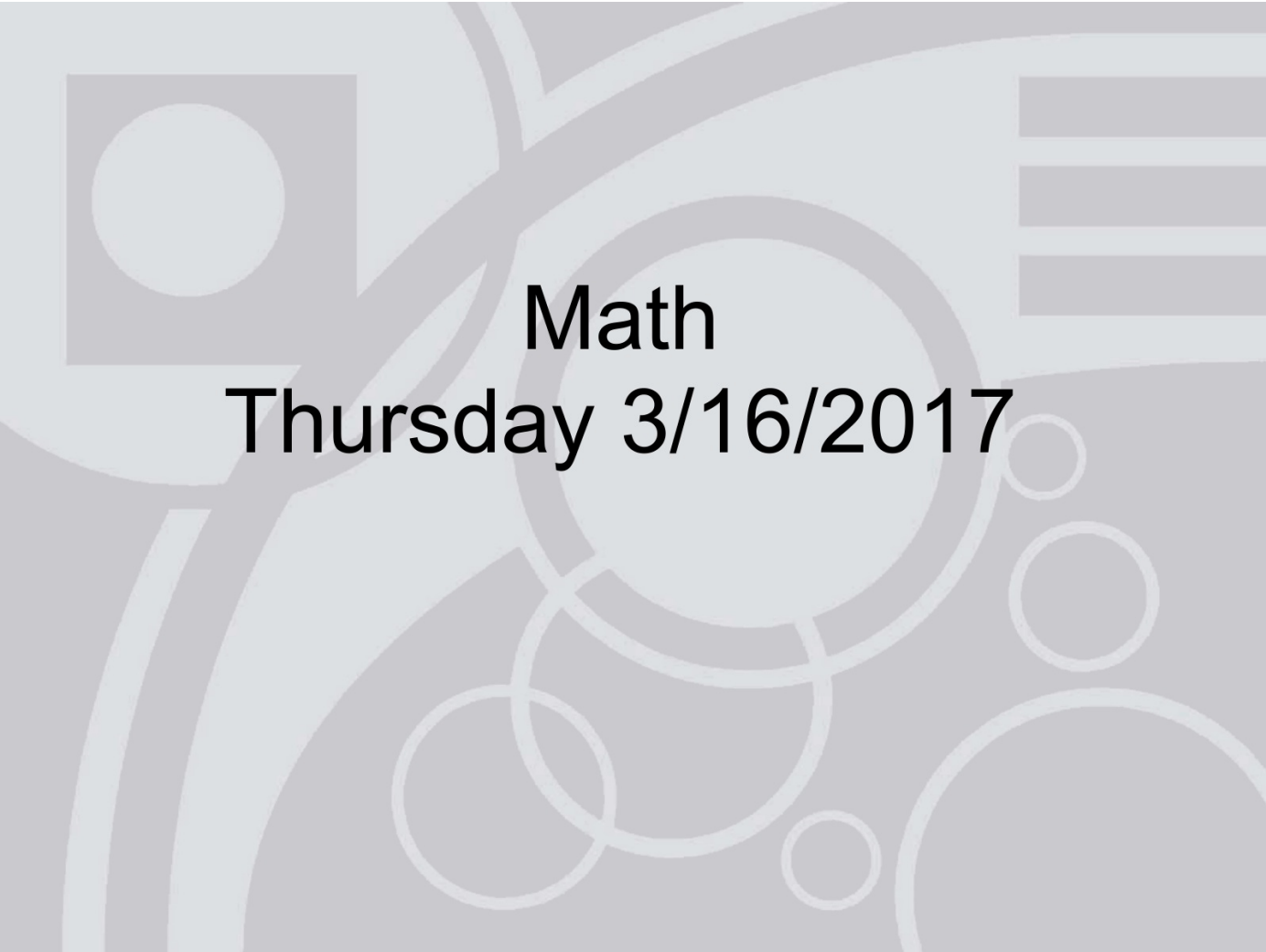
Lets Play a game! Youll need a
whiteboard, cloth, and marker!



The background is a light gray rectangle filled with various geometric shapes. On the left, there is a square containing a circle. In the center, there are several overlapping circles of different sizes. On the right, there are three horizontal lines stacked vertically. The overall style is minimalist and modern.

Math
Wednesday 3/15/2017

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

The background is a light gray rectangle filled with various geometric shapes. There are several overlapping circles of different sizes, some solid and some outlined. There are also curved lines and a square containing a circle. On the right side, there are three horizontal lines stacked vertically.

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

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

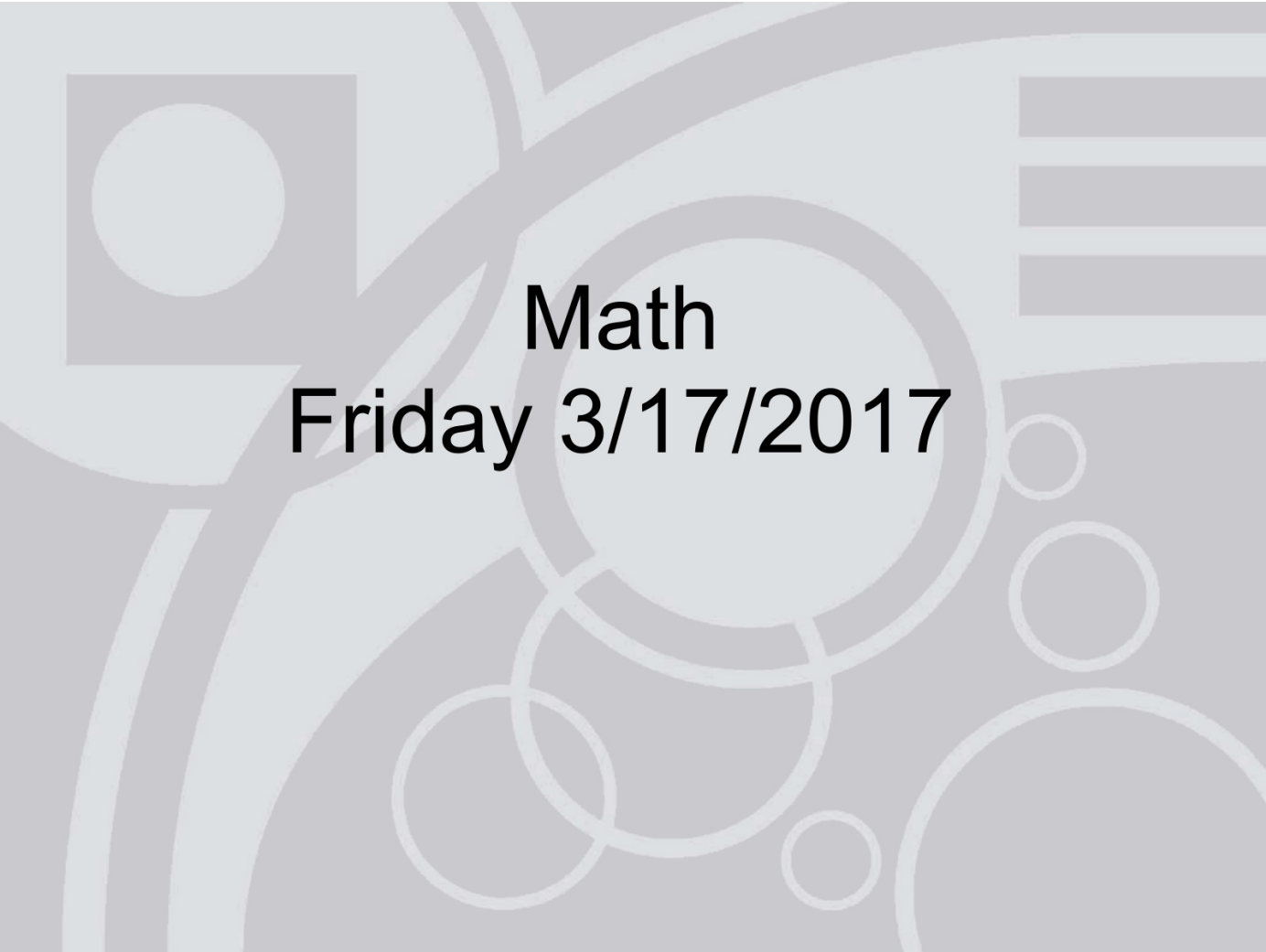
eg: $X = 5, y = 2$

$$X + 5 = 10$$

$$2x + y$$

$$5x$$

$$10 + y$$

The background is a light gray field with various geometric shapes in a slightly darker shade of gray. On the left, there is a square containing a circle. In the center, there are several overlapping circles of different sizes. On the right, there are three horizontal parallel lines. The overall style is minimalist and modern.

Math
Friday 3/17/2017

Test today! Clear your desk!