Do Now: Write this in your notes section

2. The mean temperature for February 4th in Chicago is 3°F below the mean temperature of 29°F for all of February in Chicago. What is the mean temperature for February 4th?

Equation: t - 3 = 29

Oct 15-11:02 AM

- 6,8,22,24
- 6 Adding 4 8 Subtracting 3S
  Subtracting 4 Adding 35

Oct 16-9:19 AM

### Do Now:

- 1.)  $56 \div (-8)$
- 2.)  $96 \div 12$
- 3.) (-9)8
- 4.) -13(-4)

Oct 5-7:31 AM

## 3.2 Solving Equations Using **Multiplication or Division**

7.NS 7.EE

- SWBAT solve equations using multiplication or division.
- SWBAT write a verbal sentence as an equation.
- SWBAT represent situations using algebraic symbols; analyze situations using algebraic symbols.
- Calculators: No

Oct 6-2:33 PM

## Division Property of Equality

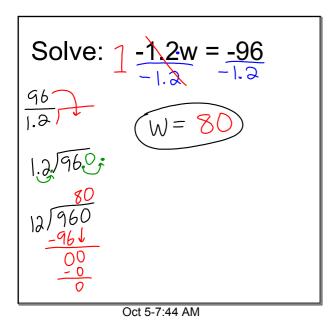
Dividing each side of an equation by the same nonzero number produces an equivalent equation.

multiplicate

Ex: 3x = 12

If 3x = 12, then 3x = 12

Solve: ' Nes Neg



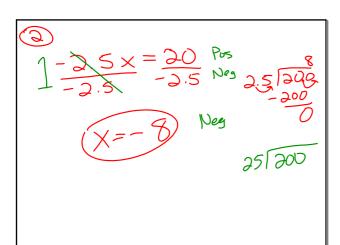
Solve the equation.

$$2. -2.5x = 20$$





Oct 14-8:39 AM



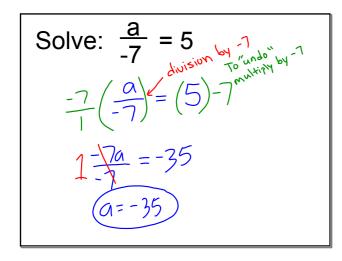
**Multiplication Property of Equality** 

Multiplying each side of an equation by the same nonzero number produces an equivalent equation.

Ex: 
$$\frac{x}{3} = 12$$
  $\frac{x}{3} = 12 \times \frac{x}{3}$   
If  $\frac{x}{3} = 12$ , then  $3 \times \frac{x}{3} = 12 \times 3$ 

Oct 16-9:49 AM

Oct 5-7:33 AM



Oct 5-7:44 AM

Solve: 
$$\frac{-y}{8.2} = 6$$
 $\frac{8.2}{8.2} \cdot \frac{-y}{8.2} = 6 \cdot 8.2$ 
 $\frac{8.2}{49.2}$ 
 $\frac{-1}{8.2} = 49.2$ 
 $\frac{1}{49.2} = 49.2$ 
 $\frac{1}{49.2} = 49.2$ 

Oct 5-7:44 AM

3.2 MC3.notebook

October 16, 2015

Solve the equation.

1. 
$$-21 = \frac{x}{-9}$$
  $\times = 189$ 

2. 
$$\frac{x}{3.5} = 14$$
  $x = 49$   
3.  $\frac{-a}{8} = -6$   $0 = 48$ 

3. 
$$\frac{-a}{a} = -6$$
  $0 = 48$ 

Ninety basketball players show up for a tournament. Write and solve an equation to find out how many five-person teams can be formed.

Oct 14-8:41 AM Oct 5-7:48 AM

A city bus can carry 40 commuters. Write and solve an equation to find the number of buses needed for 240 commuters.

### Exit Pass 3.2





3. 
$$-6 = \frac{-u}{4}$$

4. 
$$\frac{y}{-10} = 7$$



Oct 14-11:25 AM Oct 6-2:31 PM

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

Working individually or with a partner, complete the worbook.

Workbook pg. 33 #1-21, 31



**Reflection of Today's Lesson** 

3.2 Solving Equations Using **Multiplication or Division** 

7.NS 7.EE

- SWBAT solve equations using multiplication or division.
- SWBAT write a verbal sentence as an equation.
- SWBAT represent situations using algebraic symbols; analyze situations using algebraic symbols.

Oct 6-2:37 PM Oct 14-8:45 AM 3.2 MC3.notebook October 16, 2015

# <u>Homework</u>



pg. 115 #5-33 odds

Oct 6-2:37 PM