

Do Now:

- 1.) $56 \div (-8)$ -7
- 2.) $96 \div 12$ 8
- 3.) $(-9)8$ -72
- 4.) $-13(-4)$ 52

Oct 5-7:31 AM

$300,000$
 $-180,000$

 $120,000$ gallons

44
 $+ 30$

 74 days

Oct 19-8:00 AM

$y - 6 - 10 = 0$
 $y - 16 = 0$
 $+16 \quad +16$

 $y = 16$

$y - 6 - 10 = 0$
 $+6 \quad +6$

 $y - 16 = 6$
 $+16 \quad +16$

 $y = 16$

Oct 19-8:02 AM

2.6 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.

Ex: $3x = 12$

If $3x = 12$, then $\frac{3x}{3} = \frac{12}{3}$ $x = 4$

so, $x = 4$

Oct 5-7:33 AM

Solve: $1 \cdot \frac{-6x}{-6} = \frac{48}{-6}$ Pos
Neg

$x = -8$ Neg

Oct 5-7:44 AM

Solve: $1 \cdot \frac{-1.2w}{-1.2} = \frac{-96}{-1.2}$ Neg
Neg

$W = 80$ Pos

$-96 \div -1.2 = 80$

$-1.2 \sqrt{-96.0}$

$-12 \overline{) -960}$

$-96 \downarrow$

00

-0

0

Oct 5-7:44 AM

Solve the equation.

- $9p = 54$ $p = 6$
- $-2.5x = 20$ $x = -8$
- $-45 = -15x$ $x = 3$

Oct 14-9:34 AM

Multiplication Property of Equality

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

Ex: $\frac{x}{3} = 12$

If $\frac{x}{3} = 12$, then $3 \cdot \frac{x}{3} = 12 \cdot 3$

so, $x = 36$

$\frac{1}{3} \left(\frac{x}{3} \right) = (12) \cdot 3$

$\frac{1}{9} x = 36$

$x = 36$

Oct 5-7:33 AM

Solve: $\frac{a}{-12} = -11$ dividing by -12
multiply by -12

$\frac{-12}{1} \left(\frac{a}{-12} \right) = (-11) (-12)$

$1 \cdot \frac{-12a}{-12} = 132$

$a = 132$

Oct 5-7:44 AM

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

$1 \cdot \frac{-y}{8.2} = (6)(8.2)$

$-y = 49.2$

$1 \cdot \frac{-1 \cdot y}{-1} = \frac{49.2}{-1}$

$y = -49.2$

Oct 5-7:44 AM

$\frac{-y}{1} = \frac{49.2}{-1}$

$-y = 49.2$

$\frac{-1 \cdot y}{-1} = \frac{49.2}{-1}$

$y = -49.2$

Oct 19-8:38 AM

Solve the equation.

- $-21 = \frac{x}{-9}$ $x = 189$
- $\frac{x}{3.5} = 14$ $x = 49$
- $\frac{-a}{8} = -6$ $a = 48$

Oct 14-9:35 AM

Brendan bicycled at an average speed of 4 miles per hour to get to the post office that was 1 mile from home. How long did it take him to reach the post office?

$d = r \cdot t$

$1 = 4t$

$\frac{1}{4} = t$

$t = \frac{1}{4}$ hours


$t = 15$ minutes

1 hour
60 minutes
15 15 15 15

Oct 5-7:48 AM

Exit Pass 2.6

- $5c = -15$
- $54 = -9x$
- $-6 = \frac{-u}{4}$
- $\frac{y}{-10} = 7$




Oct 6-2:31 PM

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

Working individually or with a partner, complete the workbook.

Workbook pg. 27 #1-18



Oct 6-2:37 PM

Reflection of Today's Lesson

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7.EE

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Oct 14-9:36 AM

Homework

pg. 99 #8-24 even only; 28-33 all



Oct 6-2:37 PM