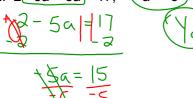
Do Now: Decide whether the given value is a solution of the equation. If not, find the solution.

- 1. 7x 3x 8 = -32; x = 6
- 2. 2(-8a + 3a)= 17; (a



6.1 Solving Multi-Step Equations

7.NS 7.EE

- SWBAT solve equations that require using two or more steps
- SWBAT represent and analyze situations using algebraic symbols.

Calculators: Yes

A pack of baseball cards costs \$3 and a pack of tootball cards costs \$4 Michael buys the same number of packs of each type and pays \$42. How many packs of each did he buy?

$$3p + 4p = 42$$
 $7p = 42$
 $7p = 42$
 $p = 6$
 $p = 6$

For a science fair, Moise performs an experiment to see how the number of Venus flytrap seeds planted in a cup affects plant growth. In each cup, he plants either 5 seeds or 10 seeds. He wants to use arrequal number of cups for each seed amount. He has 75 seeds. How many cups does he need?

$$\frac{16c = 75}{15}$$

$$\frac{16c = 75}{15}$$

$$\frac{10 \text{ cups}}{15}$$

$$\frac{10 \text{ cups}}{15}$$

6.1 MC3.notebook January 04, 2016

Solve:
Same Side

$$3x + 12 94x = 20$$

 $3x - 4x = -1x$
 $3x - 4x = -1x$
 $-x + 13 = 20$
 $-x = 8$
 $-x = 8$
 $-x = 8$
 $-x = 8$
 $-x = 8$

Solve:

$$5ame 5ide$$

$$21 = 7f + 15 = 10f$$

$$7f - 10f = -3f$$

$$21 = -3f + 15$$

$$6 = -3f$$

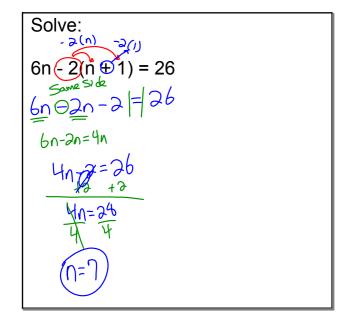
$$6 = -3f$$

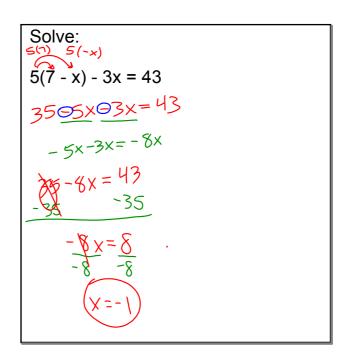
$$-3 = -3$$

$$-3 = -3$$

$$-3 = -3$$

$$-3 = -3$$





Solve:
$$\frac{3x+10}{4} = 7$$

Solve:
$$\frac{7x+5}{5} = (15)5$$
 $\frac{7x+5}{5} = \frac{75}{-5}$
 $\frac{7x+5}{7} = \frac{70}{7}$ $(x=10)$

Solve:

2.
$$2z - 4(9 - 3z) = 62$$

3.
$$-34 = \frac{3d+8}{3}$$

Exit Pass 6.1

Tickets to the NMS dance cost \$8 each. Seventy people bought their tickets in advance and the rest bought them at the door. The revenue from ticket sales is \$2560. How many people bought their tickets at the door?

6.1 MC3.notebook January 04, 2016

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

Working individually or with a partner, complete the workbook.

Workbook pg. 77 #1, 4, 5-13 odds, 14-19 all

Extra-Credit: #20, 21



Reflection of Today's Lesson

6.1 Solving Multi-Step Equations

7.NS 7.EE

- SWBAT solve equations that require using two or more steps
- steps.
 SWBAT represent and analyze situations using algebraic symbols.

Calculators: Yes

Homework

pg. 274 #12, 13, 15-24 all, 27-33 odd

