

Algebra 1

- Warm Up
- Questions on HW
- Notes on 3.2 Solving Multi-Step Equations
- Classwork/Homework

Objective

Students will be able to solve multi-step equations & use reasoning.

Warm Up: **Solve this at least two different ways.**
 Be prepared to share.

$$3 + \frac{x}{4} = 8$$

Things to know...

Combining Like Terms

Distributive Property

Undoing Fractions

3.2 Solving Multi-Step Equations

Simple

$$-6n + 3n + 5 = -16$$

$$3m + 4.5m - 6 = 9$$

$$.11p + 1.25 + .22p = 2.49$$

$$-2(n - 5) = 14$$

$$\frac{3x-6}{4} = 10$$

$$\frac{5x}{4} - \frac{1}{6} = 8$$

Hard

In your groups, work on these six problems. Do as much as you can. Don't give up! Help each other out! Write out your work on the white boards for the last 4.

On Your Own...

1. $12 = \frac{2x-4}{3}$

2. $\frac{x}{5} - \frac{1}{5} = 3$

3. $15 = 2(3n + 5) - 3n$

Think about it...

1. You are creating a flowerbox for your newest plants. You are creating a rectangular box made of wood. You purchased 48 feet of wood from Barber's Depot. The side of the flowerbox against your house does not need any wood. This side is 14 feet. Find the dimensions of the flowerbox.
2. The Beel's rented a car for the weekend. The cost of the rental was \$62.90 plus \$0.22 per mile. Before returning the car, they filled the tank with gasoline, which costs \$38.45. The total cost for everything was \$147.99. Find the number of miles the Beel's drove the car.

Classwork/Homework

**Pg. 129 #10, 11,
17-33(odd),
46, 51, 57, 58, 64.**