

Math 7H - Unit 2b

Day 6 - Solving More Two-Step Equations

Lesson Objectives:

- I can solve two-step equations.
- I know how to show work when solving equations.

Steps for Solving Equations

- Step #1 Get rid of the constant
Step #2 Get rid of the coefficient

$$\begin{array}{l} \frac{n}{5} + 8 = 3 \quad \text{Subtraction prop (=)} \\ \underline{-8} \quad \quad \quad -11 \\ \frac{n}{5} = -5 \quad \text{Multiplication prop (=)} \\ \underline{\cdot 5} \quad \quad \quad -11 \\ n = -25 \end{array}$$

$$\begin{array}{l} 4 = \frac{n}{6} + 11 \quad \text{Subtract prop (=)} \\ \underline{-11} \quad \quad \quad -11 \\ 4 = \frac{n}{6} \quad \text{Multiply prop (=)} \\ \underline{\cdot 6} \quad \quad \quad -11 \\ 24 = n \end{array}$$

$$\begin{array}{l} 3 + \frac{t}{2} = 35 \quad \text{Subtraction prop (=)} \\ \underline{-3} \quad \quad \quad -3 \\ \frac{t}{2} = 32 \quad \text{Multiplication prop (=)} \\ \underline{\cdot 2} \quad \quad \quad -3 \\ t = 64 \end{array}$$

$$\begin{array}{l} \frac{k}{-5} - 10 = 3 \quad \text{Add 10 to all prop (=)} \\ \underline{+10} \quad \quad \quad -10 \\ \frac{k}{-5} = 13 \quad \text{Multiply prop (=)} \\ \underline{\cdot -5} \quad \quad \quad -10 \\ k = -65 \end{array}$$

Homework

Two-Step Equations WKS

* Individual Think Time *

What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

