

8/21

# Welcome!

Ms. Walczak

#1.2d

## DO NOW:

- **Turn in** any late homework to the bin on Ms. Walczak's desk.
- Find your **new seat**.
- **Grab YOUR calculator** from the wall by the door.
- Pick up a new **Warm Up Sheet**.

Homework: [Late work](#)

Essential Question: How do you solve equations?

# Monday - Make an Estimate

Description: -----

My Estimate

Answer:

GUESS: TOO HIGH → 2000 TOO LOW → 50 -----  -----

1120

My Reasoning:

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**Example 4:** Solve the equations in two ways:

a)  $\frac{3x}{4} - \frac{x}{3} = 10$

$$\frac{3}{4}x - \frac{1}{3}x = 10$$

Calc:  $(3/4) - (1/3) = 0.41\bar{6}$

MATH  $\left[ \frac{\square}{\square} \right]$  FRAC  $\left[ \text{ENTER} \right]$   $\frac{5}{12}$

OR

ALPHA  $\left[ \square \right]$   $\left[ \square \right]$   $\left[ \square \right]$

$$\frac{5}{12} \cdot x = 10$$
$$\frac{5/12}{5/12} = \frac{10}{5/12}$$

$x = 24$

Common Denom  
 $12 \left( \frac{3x}{4} - \frac{x}{3} = 10 \right)$

$$9x - 4x = 120$$

$$\frac{5x}{5} = \frac{120}{5}$$

$x = 24$

$$b) \quad \frac{1}{9} = \frac{5}{6} - \frac{m}{3}$$

$$\frac{\frac{5}{6}}{\frac{5}{6}} = \frac{\frac{5}{6}}{\frac{5}{6}}$$

$$-3 \cdot \frac{-13}{18} = -\frac{m}{3} \cdot -3$$

$$\frac{13}{6} = m$$

$$-\frac{13}{18} = -\frac{1}{3}m$$

$$\frac{-1/3}{-1/3} = \frac{-1/3}{-1/3}$$

:-)

$$(18) \left( \frac{1}{9} = \frac{5}{6} - \frac{m}{3} \right)$$

$$2 = \frac{15}{6} - 6m$$

$$-15 = -15$$

$$-13 = -6m$$

$$-6 = -6$$

$$\frac{13}{6} = m$$