

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

$$9x - 4x = 120$$

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

$x = 24$

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

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

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

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

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

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

:-)

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

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

$$-15 = -15$$

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

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