Multi-Step Equations

February 18, 2020

Scrap HX-HX

2.2 Multi Step Equations

- 1. Get rid of all () "Distributive Property"
- 2. Combine all like terms on each side of the equal sign.
- 3. If variables are on both Sides "move" (opposite oper ation) the smaller amount.

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Multi-Step Equations

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Multi-Step Equations

$$\frac{1}{10} = \frac{1}{10} = \frac{1}{10}$$

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Multi-Step Equations

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$$4x - 8 = 3x + 6$$

$$-3x - 4x + 6$$

$$38 - 8 = 14 + 6$$

$$2x - 8 = 6$$

$$1 + 8$$

$$2x = 7$$

$$X = 7$$

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Multi-Step Equations

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$$-2(3x-4)+8 = 5x+5(2x-2)
-6x+8+8 = 5x+6x-6
-6x+16 = 11x-6
+6x$$

$$-6x+16 = 17x-6
+6x$$

$$-7x+16 =$$

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Multi-Step Equations

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$$\frac{1}{4}x - \frac{2}{3} = \frac{1}{5}x + \frac{3}{4}$$

$$60(\frac{1}{4})x - 60(\frac{3}{3}) = 60(\frac{1}{3})x + 60(\frac{3}{4})$$

$$15x - 40 = 12x + 45$$

$$-12x$$

$$3x - \frac{1}{4}x = \frac{45}{3}$$

$$\frac{1}{4}x - \frac{2}{3} = \frac{1}{5}x + \frac{3}{4}$$

$$\frac{1}{4}x - \frac{1}{4}x - \frac{2}{3} = \frac{1}{5}x + \frac{3}{4}$$

$$\frac{1}{4}x - \frac{1}{4}x - \frac{1}{4}x + \frac{1}{4}x - \frac{1}{4}x - \frac{1}{4}x + \frac{1}{4}x - \frac{1}{4$$

Multiply each fraction by that #