1) $2x - 5 = 17$

2) $\frac{x}{3} - 7 = -2$

3) Write an equations and solve:

a) 3 times a number plus 7 is 18.4

b) half a number, add to 4 is 17

1) $2x - 5 = 17$ +5 +5

$\frac{2x}{2} = \frac{22}{2}$

$x = 11$

2) $\frac{x}{3} - 7 = -2$ +7 +7

$\frac{x}{3}^{(3)} = 5^{(3)}$

$x = 15$

3) Write an equations and solve:

a) 3 times a number plus 7 is 18.4

$3x + 7 = 18.4$ −7 −7

$\frac{3x}{3} = \frac{11.4}{3}$

$x = 3.8$

b) half a number, add to 4 is 17

$\frac{x}{2} + 4 = 17$ −4 −4

$\frac{x}{2}^{(2)} = 13^{(2)}$

$x = 26$

Any Questions???

Last Nights Homework

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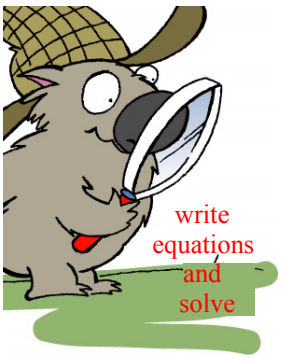
Friday-Monday

8, 9ab, 10abcd, 11,13

11, 13,



Equations to Model and Solve a Problem

Find the height and width of a box if given the Area is 52cm^2 and the volume is 187.2 cm^3 ⌐ length is 8cm

Area = l x w

||

Volume = l x w x h

Lets try some more:

$-7e + 6 = 50$

$6 - 7e = 50$

Lets try some more:

$-18 - 4x = 12$

Lets try some more:

$69 = 6 - 7v$

$\frac{x}{2} + 3 = 7$

$\frac{1}{2}x + 3 = 7$

Fraction with the letter

$\frac{2}{3}x - 7 = 4$

$+7 \quad +7$

$(3) \quad (3)$

$\frac{2x}{3} = 11$

$\frac{2x}{2} = \frac{33}{2}$

$x = 16.5$

Fraction (5) is the (5) other term

$2x + \frac{2}{5} = 7$ (5) (without letter)

$10x + 2 = 35$

$-2 \quad -2$

$\frac{10x}{10} = \frac{33}{10}$

$x = 3.3$

$$3(2x+5) = -3$$

$$\frac{x}{2} + \frac{1}{3} = 5 \qquad (6)\ (6)\ (6)$$

$$\frac{6x}{2} + \frac{6}{3} = 30$$

$$3x + 2 = 30$$

$$-2 \quad -2$$

$$\frac{3x}{3} = \frac{28}{3}$$

$$x = \frac{28}{3}$$

Class Work
and
Finish for Homework

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11, 13, 14, 16, 18,20, 24