# December 16, 2014 <sup>5th</sup> <sup>6th</sup>
## Starter

Solve each equation for the given variable.

1. $\dfrac{h}{3} - 4 = 5$

$+4 \quad +4$

$3 \cdot \dfrac{h}{3} = 9 \cdot 3$

$h = 27$

2. $10 = \dfrac{k}{-2} + 15$

$-15 \qquad -15$

$-2 \cdot -5 = \dfrac{k}{-2} \cdot -2$

$10 = k$

3. $8 + \dfrac{b}{4} = -2$

$-8 \qquad\qquad -8$

4. $\dfrac{b}{4} = -10 \cdot 4$

$b = -40$

candystripe

## 12/16  Solving Two-Step Equations with Multiply and Divide

**Steps to follow when solving 2-step equations:**
1.  Find the center of the equation.

2.  Find the variable.

3.  <u>Undo the add/subtract</u> on the same side as the variable.  (Get rid of the "extras.")

4.  <u>Undo the multiply/divide</u> on the same side as the variable.

$$-4k + 8 = -16$$
$$\phantom{-4k} -8 \qquad -8$$
$$-4k = -24$$
$$\phantom{-4}-4 \qquad -4$$
$$k = 6$$

$$9 = -5 + \frac{h}{2}$$
$$+5 \qquad +5$$
$$2 \cdot 14 = \frac{h}{2} \cdot 2$$
$$28 = h$$

# Homework

Lilac WS 8

## Due Wednesday