

3.3 Multiplying to solve Division equations p.104

Division Examples:

$$1) \frac{\cancel{2}x}{\cancel{2}} = 8 \quad (2)$$

$$x = 16$$

* Use parenthesis () to show multiplication to undo division

$$2) \frac{\cancel{7}n}{\cancel{7}} = -14 \quad (7)$$

$$n = -98$$

$$3) \cancel{3}9 = \frac{k}{\cancel{3}} \quad (3)$$

$$27 = k$$

$$4) \frac{\cancel{0.003}g}{\cancel{0.003}} = -2.8 \quad (0.003)$$

$$g = -0.0084$$

$$5) \cancel{-2.4}1.5 = \frac{j}{\cancel{-2.4}} \quad (-2.4)$$

$$-3.6 = j$$

$$6) 25 = -\frac{t}{5}$$

$$\cancel{-5}25 = \frac{t}{\cancel{-5}} \quad (-5)$$

$$-125 = t$$

7) A number divided by negative nine is negative sixteen.

$$\frac{\cancel{-9}n}{\cancel{-9}} = -16 \quad (-9)$$

$$n = 144$$

8) The quotient of a number and -1.5 is 21.

$$\frac{\cancel{-1.5}n}{\cancel{-1.5}} = 21 \quad (-1.5)$$

$$n = -31.5$$

9) The product of a number and -1.5 is -34.5.

$$\cancel{-1.5}n = \frac{-34.5}{\cancel{-1.5}}$$

$$n = 23$$