Equations

John is making gift bags for Valentine's Day. If he has 90 pieces of candy to use, ==how many gift bags can he make if he wants 5 pieces of candy== in each bag?

Christina is working at her mom's bakery. She is ==making $12.00 an hour.== If she makes $60.00 ==total== for the week, ==how many hours did she== work?

He has 90 pieces	Making $12 per hour
5 pieces per bag	$60 total
b = how many bags	How many hours? = h

$5b = 90 \qquad b \cdot 5 = 90$

$\dfrac{90}{b} = 5 \qquad \dfrac{90}{5} = b$

$90	
b	5

$$\frac{5b}{5} = \frac{90}{5}$$

$$b = 18$$

$5(18) = 90 \checkmark$

$90 = 90$

The number of bags John can make is 18.

$12h = 60 \qquad h \cdot 12 = 60$

$\dfrac{60}{12} = h \qquad \dfrac{60}{h} = 12$

$60	
h	12

$$\frac{12h}{12} = \frac{60}{12}$$

$$h = 5$$

$12(5) = 60 \checkmark$

$60 = 60$

Christina works 5 hours in total.