Possible Solutions

Amy's family has a Texas Red Lacy named Hank. The amount of food Hank eats each week increased from 48 lbs. to 54 lbs. What percentage did Hank increase the amount of food he eats?

Solution 1

$$\frac{48}{100} = \frac{54}{x}$$

48x = 100 · 54
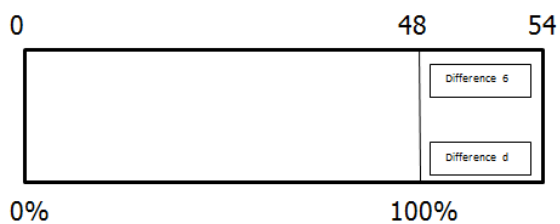
48x = 5400

$$\frac{48x}{48} = \frac{5400}{48}$$

x = 112.5

Percent increase from 100%
112.5 - 100 = 12.5

There is a 12.5% increase in the amount of food Amy's dog eats.

Solution 2

$$\frac{48}{100} = \frac{6}{d}$$

48d = 100 · 6

48d = 600

$$\frac{48d}{48} = \frac{600}{48}$$

d = 12.5

There is a 12.5% increase in the amount of food that Amy's dog eats.