

February 1, 2012 Math 7H

Get out your homework – Green WS2

2/1 - Percent Equations: finding the percent

multiple

What percent of 48 is 12?

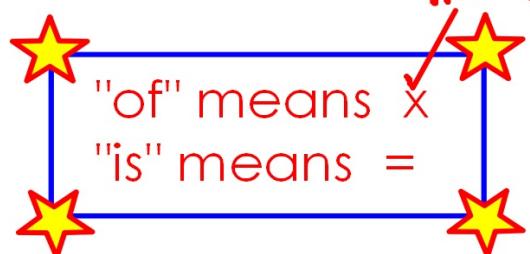
$$\frac{P \cdot 48}{48} = 12$$

$$P = \frac{12}{48}$$

$$P = \frac{1}{4}$$

$$\frac{1}{4} = \frac{25}{100}$$

25%



$$\begin{array}{r} 25 \\ \hline 4) 1.00 \\ -0 \\ \hline 20 \\ -20 \\ \hline 0 \end{array} = 25\%$$

What percent of 40 is 64?

$$\frac{P \cdot 40}{40} = \frac{64}{40}$$

$$P = 160\%$$

$$64 \div 40 = 1.6$$

Don't forget the
% in your answer!

84 is what percent of 98?

$$\frac{84}{98} = \frac{P \cdot 98}{98}$$

$$85.7\% = P$$

$$84 \div 98 =$$

$$\overline{0.\underline{85}714285714285}$$

7

What percent of 151 is 70?

$$\frac{P \cdot 151}{151} = \frac{70}{151}$$
$$P = 46.4\%$$

$$70 \div 151 =$$

~~0.46357615894039~~

7
move decimal 2 place THEN
round

What percent of 118 is 139?

$$\frac{P \cdot 118}{118} = \frac{139}{118}$$
$$P = 117.8\%$$

$$139 \div 118 =$$
$$\underline{\underline{1.17796610169492}}$$

35.7 is what percent of 56?

$$\frac{35.7}{56} = \frac{P \cdot 56}{56}$$
$$63.8\% = P$$

$$35.7 \div 56 = 0.\underbrace{6375}$$

Homework

Melon WS3

Due Thursday