

November 8, 2011

Warm-Up:

Milton and Franklin are 8 in apart on a map that has a scale of 4 in : 7 mi. How far apart are the real cities?

$$\frac{4 \text{ in}}{7 \text{ mi}} = \frac{8 \text{ in}}{x}$$

$$14 \text{ mi} = x$$

3 mi's each

A model satellite is 4 in wide. If it was built with a scale of 2 in : 8 ft then how wide is the real satellite?

$$\frac{2 \text{ in}}{8 \text{ ft}} = \frac{4 \text{ in}}{x}$$

$$16 \text{ ft} = x$$

Get out your homework...

Yellow worksheet 5

3pts

1. Proportion
2. Answer
3. Label

$$\textcircled{5} \quad \frac{3\text{cm} \cdot 21\text{cm}}{2\text{m} \cdot 4} = \frac{x}{x}$$

$$14\text{m} = x$$

$$\textcircled{1} \quad \frac{4\text{cm} \cdot 6}{2\text{m} \cdot 6} = \frac{x}{12\text{m}}$$
$$24\text{cm} = x$$

$$10) \quad \frac{3\text{in} \cdot 3}{16\text{mi} \cdot 3} = \frac{x}{48\text{mi}}$$

$$9\text{in} = x$$

$$12) \quad \frac{4\text{in} \cdot 2}{13\text{mi} \cdot 2} = \frac{x}{26\text{mi}}$$

$$8\text{in} = x$$

11/8 - Exchange Rate, Shopping, Reducing/Enlarging



1 Euro = \$1.38 US

\$1.00 US = 0.62 British pounds

100 Japanese Yen = \$1.28 US

100 Mexican pesos = \$7.44

The money used in Switzerland is called the Franc. The exchange rate is 12 Francs for \$10. Find how many Francs you would receive if you exchanged \$20.



$$\frac{12 \text{ F} \cdot 2}{\$10 \cdot 2} = \frac{x}{\$20}$$

$$24 \text{ Francs } x$$

The money used in Saudi Arabia is called the Riyal. The exchange rate is \$2 for every 7 Riyals. Find how many Riyals you would receive if you exchanged \$6.



$$\frac{\$2}{7R} = \frac{\$6}{x}$$

$$21 \text{ Riyals} = x$$

Three bunches of cilantro cost \$5. How many bunches can you buy for \$10?

$$\frac{3 \text{ bunches} \cdot 2}{\$5 \cdot 2} = \frac{x}{\$10}$$

$$6 \text{ bunches} = x$$



If you can buy eight bunches of seedless red grapes for \$20 then how many can you buy with \$10?

$$\frac{8 \text{ bunches}}{\$20} = \frac{x}{\$10}$$

$$4 \text{ bunches} = x$$



Carlos enlarged the size of a photo to a height of 18 in. What is the new width if it was originally 3 in tall and 1 in wide?

$$\frac{3 \text{ in Tall}}{1 \text{ in Wide}} = \frac{18 \text{ in}}{x}$$

$$6 \text{ in wide} = x$$



James reduced the size of a triangle to a height of 3 in. What is the new width if it was originally 16 in wide and 12 in tall?

$$\begin{array}{r} w \quad 16 \text{ in} \div 4 \\ \hline H \quad 12 \text{ in} \div 4 \quad \frac{x}{3 \text{ in}} \end{array}$$

$$4 \text{ in} = x$$



Homework:

Gold Worksheet 6

#1-24
all

due Wednesday