January 23, 2012

Math 7H

1/23 - Shopping and Reducing/Enlarging Problems

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 bunches $= x$

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

$$\frac{8 \div 2}{\$20 \div 2} = \frac{x}{\$10}$$

4 bunches = x

If you can buy three mangos for $2.70 then how many can you buy with $10.80?

$$\frac{3}{2.70} = \frac{x}{10.80}$$

$$\frac{2.70x}{2.70} = \frac{32.40}{2.70}$$

$x = 12$ mangoes

$10.80 \times 3 = 32.40$

$$2.70\overline{)32.40}\quad 12.$$

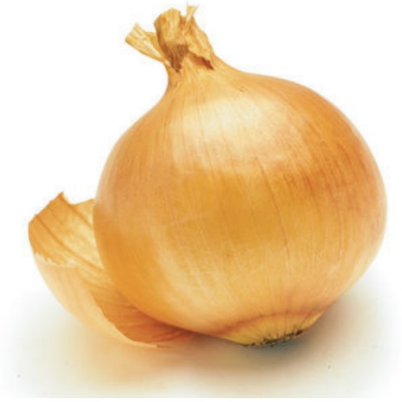
270

540

540

0

If you can buy eight bags of yellow onions for $15.12 then how many can you buy with $3.78?



Amanda reduced the size of a photo to a height of 4 in. What is the new width if it was originally 12 in wide and 16 in tall?

$$\frac{w}{T} \quad \frac{12''}{16''} = \frac{4 \cdot x}{4 \cdot 4''}$$

$$3'' = x$$

A triangle is 2 in wide and 1 in tall. If it is enlarged to a width of 8 in then how tall will it be?

$$\frac{W}{T} \quad \frac{2'' \cdot 4}{1'' \cdot 4} = \frac{8''}{x}$$

$$4'' = x$$

Daniel reduced the size of a photo to a width of 3.1 in. What is the new height if it was originally 8.4 in tall and 18.6 in wide?

T / W $\quad \frac{8.4"}{18.6"} = \frac{6 \cdot X}{6 \cdot 3.1"}$

$\frac{8.4}{6} = \frac{6X}{6}$

$1.4" = X$

$$6\overline{)8.4}\quad 1.4$$

6

24

24

0

HOMEWORK

Pink Worksheet 5

Due Tues.