

Word Problems

3. Amanda knows a 7-pound turkey will feed 10 people. If 35 people are coming to Amanda's home for dinner, at this rate how many pounds of turkey will she need?

24.5 pounds

~~7~~ = ~~X~~
~~10~~ = ~~35~~

$$10x = 7(35)$$

$$10x = 245$$

$$\frac{10}{10} = \frac{245}{10}$$

$$x = 24.5$$

4. Sara can type 90 words in 4 minutes. About how many words would you expect her to be able to type in 10 minutes? 225 words

~~90~~ = ~~X~~
~~4~~ = ~~10~~

$$4x = 900$$

$$\frac{4}{4} = \frac{900}{4}$$

$$x = 225 \text{ words}$$

5. Harry and Connie bought tomatoes at the farmer's market. Harry paid \$4.32 for 5 pounds of tomatoes. At this rate, how much should Connie have paid for 5 pounds of tomatoes?

\$ 3.60

~~\$ 4.32~~ = ~~X~~
~~5~~ = ~~5~~

$$5x = 21.6$$

$$\frac{5}{5} = \frac{21.6}{5}$$

$$x = \$3.60$$

~~2~~ = ~~5~~
~~230~~ = ~~X~~

$$2x = 1150$$

$$\frac{2}{2} = \frac{1150}{2}$$

$$x = 575 \text{ Calories}$$

6. Asia mixes paint using 14 ounces of orange paint for every 5 ounces of pink paint. At this rate, how many ounces of pink paint will be mixed with 45 ounces of orange paint?

16.07 ounces of pink

~~14~~ = ~~45~~
~~5~~ = ~~X~~

$$5x = 225$$

$$\frac{5}{5} = \frac{225}{5}$$

$$x = 16.07 \text{ oz}$$

7. In a pond, 4 out of 7 fish are goldfish. If this ration is the same in a larger pond of 56 fish, how many will be goldfish?

~~4~~ = ~~X~~
~~7~~ = ~~56~~

$$7x = 4(56)$$

$$\frac{7}{7} = \frac{224}{7}$$

$$x = 32 \text{ Goldfish}$$

8. Two slices of Dan's Famous Pizza have 230 calories. How many calories would you expect to be in 5 slices of pizza?