

Name _____ Date _____ Period _____

Unit 2 Practice

1. \$4 is what percent of \$50? 2. What number is 35% of 20? 3. 10 is 40% of what number?

4. Madison's club has 50 members. Its rules require that 40% of them must be present for any vote. At least how many members must be present to have a vote? _____

5) 1 ft = 0.3 m. Sam's ladder is 2.7 m tall. How tall is his ladder in feet?

6) To make light blue paint, you mix 2 gallons of white paint for every 5 gallons of blue paint (ratio of 2:5). How many gallons of white paint will you need for 20 gallons of blue paint?

7) Juan's recipe calls for 3 cups of flour and 2 cups of peanut butter. He wants to make a lot and he has 6 cups of peanut butter. How much flour should he use?

8) Sharon mixes 4 cups of red paint with 7.5 cups of blue paint to get purple. How many cups of blue paint should she mix with 16 cups of red paint to get the same shade of purple?

9) Four balls of wool will make 8 knitted caps. How many balls of wool will Mary need if she wants to make 6 caps?

10) A veterinarian needs to know an animal's weight in kilograms. If 20 pounds is about 9 kilograms and a dog weighs 30 pounds, find the dog's weight in kilograms?

11) Landon owns a hybrid SUV that can travel 400 miles on 15-gallon tank of gas. Determine how many miles he can travel on 6 gallons of gas?

12) Tiffany pays \$40 for 160 minutes of talk time on her cell phone. How many minutes of talk time does she get per dollar?

13) A train travels 558 miles in 3 hours. At this rate, how far does the train travel per hour?

14) A bus makes 28 stops every 2 hours. How many stops does it make in 3 hours?

15A) Find the unit rate for the 8-ounce bottle (cost per ounce) _____

15B) Find the unit rate for the 16-ounce bottle (cost per ounce) _____

15C) Find the unit rate for the 32-ounce bottle (cost per ounce) _____

15D) Find the unit rate for the 64-ounce bottle (cost per ounce) _____

15E) Which is the better buy? _____

Bottles of Orange Juice	
Containers	Price
8 oz	\$0.96
16 oz	\$1.60
32 oz	\$2.56
64 oz	\$3.84