Applications of Ratios

Name:_____

1. Sam has 9 nickels and 27 quarters.

a) Write a part-to-part ratio and a part-to-whole ratio to represent the coins.

b) Write the part-to-whole ratio as a fraction in the simplest form.

c) Write the part-to-whole ratio as a percent.

2. Create a ratio to represent something from your everyday life. Express this ratio as a part-to-part ratio and as a part-to-whole ratio.

3. A recipe requires 4 cups of flour, 2 cups of sugar, and 1 cup of milk.

a) Write a part-to-whole ratio for the items in the recipe.

b) Write a part-to-part ratio to compare the items in the recipe. How many different part-to-part ratios can you write?

4. In a class of 32 students, 14 wore a t-shirt to school and 18 wore a sweater.

a) What is the ratio of t-shirts to sweaters?

b) What is the ratio of t-shirts to all clothing items? Express as a fraction in the simplest form.