

RATIOS AND PROPORTIONS

Name: _____ Class: _____ Due Date: _____

Family Member Signature: _____

Objective:

To understand the relationship between ratios, proportions, fractions, percentages and decimals.

Necessary Information:

Ratios and proportions can be managed in the same manner as fractions. Equivalency means we can alter how a proportion looks without changing its value.

Practice Section:

1. Write each **part-to-whole** ratio in 2 different ways.

a. 2:5

b. 1:10

c. 4:12

2. Change each statement into a fraction, ratio, decimal and percent.

a. 28 out of 100 Canadians are under twenty years old

b. For every 3 cars on the highway, there are 2 trucks

3. Yasmin has 45 stamps in her collection. The ratio of new stamps to used stamps is 2:7.

a. How many of Yasmin's stamps are new?

b. How many are used?

In Your Real World:

With a family member, complete the following question.

A storage rack contains 8 basketballs, 6 volleyballs, and 12 soccer balls.

a. Write each ratio in **lowest terms**.

i) The number of basketballs to the number of volleyballs

ii) The number of volleyballs to the number of soccer balls

iii) The number of basketballs to the number of balls

iv) The number of volleyballs to the number of basketballs to the number of soccer balls