

Name _____

If You Give a Moose a Muffin

By Laura Numeroff

Part I: Review

Customary Units

- 1) List the prior knowledge that you need to possess when dealing with the customary unit of measurement.

Length

Mass

Volume

- 2) Explain how to convert within this system of measurement.

Metric System

- 3) Recreate the metric system scale using the saying.

- 4) Explain how to convert within this system of measurement.

Part II: Conversion between Systems

- 5) List the prior knowledge that you need to possess when converting between the customary unit of measurement and the metric system.

Length

Mass

Volume

Part III: Practice Converting Between Systems – Many events happened in the story. Use what you already know and the steps provided below to answer the following conversion questions.

- Step 1 – Write down your prior knowledge of the units mentioned
- Step 2 – Set up the information as proportions (metric = customary)
- Step 3 – Solve for the missing number

Length

- 6) The moose needed 2.5 inches of thread to fix the button on the sweater that he was wearing. How many *centimeters* of thread did the moose need?
- 7) The length of the sock puppets that the moose made was 0.455 meters. How long was the sock puppet in *yards*?
- 8) To travel to the store to get muffin mix, the boy and moose would have to travel 2.2 miles. What is the length of their trip in *kilometers*?

Mass

- 9) The moose ate 6 pounds of muffins in the story. How many *kilograms* of muffins did the moose eat?
- 10) The couch that the moose used to hide behind, weighed 70 kilograms. What was the weight of the couch in *pounds*?

Volume

- 11) The volume of the paint used to create the scenery for the puppet show was 5 liters. How many *fluid ounces* of paint did the moose use?
- 12) The moose ate 8.5 ounces of jam with his muffins. How many *liters* of jam did the moose eat?

