

Name \_\_\_\_\_

***If You Give a Pig a Pancake***  
By Laura Numeroff

**Part I: Review**

- 1) Name the two systems of measurement used throughout the world.
- 2) Which system of measurement is used in the United States, Liberia, and Burma?
- 3) List the information needed to know, in regards to measuring *distance* in customary units.
- 4) List the information needed to know, in regards to measuring *mass* in customary units.
- 5) List the information needed to know, in regards to measuring *volume* in customary units.

**Part II: Conversion Reasoning**

- 6) If you are converting from a larger unit (miles) to a smaller unit (feet), will the number get larger or smaller? Would you multiply or divide to convert?
- 7) If you are converting from a smaller unit (cups) to a larger unit (quarts), will the number get larger or smaller? Would you multiply or divide to convert?

**Part III: Converting Using Customary Units** – 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 – Decide if you need to multiply or divide when converting

Step 3 - Solve

**Distance**

- 8) The pig went upstairs to take a bath. If she traveled 12 feet, how many inches did she travel?
  
- 9) The pig was homesick and wants to visit her family. If her family lives  $5\frac{1}{2}$  miles away, how many yards is that?
  
- 10) If the pig's old tap shoes are 9 inches long, how many feet long would they be?
  
- 11) The pig wants to build a tree house. The young girl uses 8 foot boards to build the tree house. How many yards long are the boards?

**Mass**

- 12) The pig takes a bath with a rubber duck that weighs  $\frac{1}{4}$  pound. How many ounces does the rubber duck weigh?
  
- 13) The pig wants to pack a suitcase. Once it is packed, it weighs  $6\frac{1}{2}$  pounds. How many ounces does the suitcase weigh?
  
- 14) The pig needs wood, a hammer, and nails to build a tree house. Once construction is completed, the materials weighed  $\frac{1}{2}$  ton. How many pounds do the supplies weigh?

### Volume

- 15) The pig asks for maple syrup to go on her pancake. It comes in a quart size container. How many cups of maple syrup are in the container?
- 16) The pig needs glue to wallpaper the tree house. How many pints are in a gallon size container of glue?
- 17) The young girl decides to give the pig a bath and fills the tub with 72 cups of warm water. How many gallons of water are in the bath tub?

### Part IV: Calculations (Add/Subtract)

- 18) What is the total weight of the 3 items needed to make the tree house? Boards (10 lbs. 10 oz.), hammer (3 lbs. 5 oz.) and nails (5 lbs. 9 oz.)?
- 19) In her excitement over the maple syrup, the pig spilled 3 cups of milk on the floor. If she started with 1 pint and 1 cup of milk, how much milk does she have left?

### Part V: Summarize

- 20) In your own words, explain how to convert within the customary units of measurement.

*To be continued.....*

