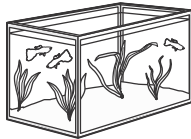
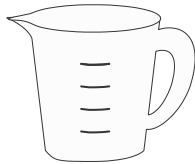


Chapter Test, Form 3B






Read each question carefully. Write your answers on the lines provided.

1. What metric unit of capacity should you use to measure the amount of water needed to make a bowl of soup? 1. _____
2. What metric unit should you use to measure the mass of a frog? 2. _____
3. Name an item that has a mass of about 10 kilograms. 3. _____
4. Which container would you use to measure 400 milliliters of water? Explain. 4. _____



5. Estimate the length of a math book in centimeters. 5. _____

Use the chart to answer Exercises 6 through 9.

Containers				
				
gallon jug	measuring cup	eye dropper	swimming pool	fish tank

6. What container would you use for 20 liters of water? 6. _____
7. What container would you use for 200 milliliters of juice? 7. _____
8. What container would you use for 2 liters of lemonade? 8. _____
9. What unit would you use the eye dropper to measure? 9. _____
10. Brice has a piggy bank with a mass of 1 kilogram. Inside the bank, he has 202 pennies each with a mass of 1 gram. How many total grams do the piggy bank and pennies have together? 10. _____

Chapter Test, Form 3B *(continued)*

11. Ling Su is planning a birthday party. She made 5 liters of punch. If each cup has a capacity of 200 mL, how many cups can he fill with the 5 liters?

11. _____

12. Sampson is making kites for himself and his brother. He needs 5 meters of string for each kite. How many centimeters of string does he need in all?

12. _____

13. Steven’s sports bag can carry a mass of 6,000 grams. He wants to put 1 baseball bat, four baseballs, 1 pairs of shoes and 3 bottles of sports drink in his sports bag. Can he fit all of this into the bag without exceeding 6,000 grams? If so, how many grams of mass does he have left to fill?

13. _____

Item	Mass
baseball bat	1 kg
baseballs	200 g
pair of shoes	2 kg
sports drink bottle	500 g

14. Garren buys a 12-pack of sports drink bottles. Each bottle contains 1L of liquid. He drinks 1,000 mL of sports drink at each soccer game. How many games will he be able to play before he needs to buy more sports drink?

14. _____

15. The length of Kenny’s pencil is 12 cm. The length of Kenny’s pencil box is 100 mm. Will Kenny’s pencil fit into the pencil box? Explain.

15. _____

16. Melanie is filling up a 20 liter fish tank by hand. She has a 2-liter, 3-liter, and a 4-liter bucket. If Melanie carries two buckets each time, what combinations of sizes allows her to fill the fish tank in exactly three trips?

16. _____

8. Fresh mozzarella cheese from Antonio's Market costs \$4.00 per kilogram. 4.MD.I

Part A: Roxanne paid \$8.00 for her mozzarella. Did she buy enough cheese to make one large pizza? Explain.

Part B: Roxanne bought 2 large watermelons from Antonio's market. Are the watermelons likely to weigh more or less than the cheese she bought?

9. Draw a line between each pair of equivalent quantities. 4.MD.I

250 mm	25,000 mm
250 cm	0.25 m
0.25 km	2.5 m
25 m	250 m

10. Select true or false for each statement. 4.MD.I

True False

- 250 g > 2.5 kg
- 3.1 L < 400 mL + 2 L
- 150 mm > 5 cm
- 0.4 km < 4,000 m