

Lesson 2 Practice Problems

1. Select the unit from the list that you would use to measure each object.

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|--|-----------------------------------|
| a. The length of a pencil | <input type="radio"/> centimeters |
| b. The weight or mass of a pencil | <input type="radio"/> cups |
| c. The volume of a pencil | <input type="radio"/> feet |
| d. The weight or mass of a hippopotamus | <input type="radio"/> gallons |
| e. The length of a hippopotamus | <input type="radio"/> grams |
| f. The length of a fingernail clipping | <input type="radio"/> inches |
| g. The weight or mass of a fingernail clipping | <input type="radio"/> kilograms |
| h. The volume of a sink | <input type="radio"/> kilometers |
| i. The volume of a bowl | <input type="radio"/> liters |
| j. The length of a chalkboard or whiteboard | <input type="radio"/> meters |
| k. The weight or mass of a chalkboard or whiteboard | <input type="radio"/> miles |
| l. The length of the border between the United States and Canada | <input type="radio"/> milliliters |
| | <input type="radio"/> millimeters |
| | <input type="radio"/> ounces |
| | <input type="radio"/> pounds |
| | <input type="radio"/> quarts |
| | <input type="radio"/> tons |
| | <input type="radio"/> yards |

2. When this pet hamster is placed on a digital scale, the scale reads 1.5.



What could be the units?

3. Circle the larger unit of measure. Then, determine if the unit measures distance, volume, or weight (or mass).

a. meter or kilometer

b. yard or foot

c. cup or quart

d. pound or ounce

e. liter or milliliter

f. gram or kilogram

4. Elena mixes 5 cups of apple juice with 2 cups of sparkling water to make sparkling apple juice. For a party, she wants to make 35 cups of sparkling apple juice. How much of each ingredient should Elena use? Explain or show your reasoning.

(From Unit 2, Lesson 15.)

5. Lin bought 3 hats for \$22.50. At this rate, how many hats could she buy with \$60.00? If you get stuck, consider using the table.

number of hats	price in dollars

(From Unit 2, Lesson 12.)

6. Light travels about 180 million kilometers in 10 minutes. How far does it travel in 1 minute? How far does it travel in 1 second? Show your reasoning.

(From Unit 2, Lesson 9.)