

Measure It Right

Choose capacity or weight for each situation.

GRADE 3 • TEKS 3.7.D

3.7.D “determine when it is appropriate to use measurements of liquid volume (capacity) or weight; and”

NAME _____

DATE _____

PICK THE RIGHT MEASURE

Use liquid volume, or capacity, for how much liquid a container can hold. Use weight for how heavy an object is. Milliliters and liters measure capacity. Grams and kilograms measure weight.

WORKED EXAMPLE

A fish tank needs 7 L of water.
Should you use capacity or weight?

1. The tank will hold water, which is a liquid.
2. Liquids are measured by capacity.
3. Liters are a capacity unit.

Answer: Use capacity, 7 L.

PRACTICE 6 problems

- 1** A puppy weighs 4 kg. Is 4 kg a measure of capacity or weight?

ANSWER _____

- 2** A sports drink bottle holds 500 mL. What is being measured?

ANSWER _____

- 3** Choose the best unit to measure how much soup is in a bowl: mL or kg.

ANSWER _____

- 4** Choose the best unit to measure the weight of a pumpkin: L or kg.

ANSWER _____

- 5** A bucket holds 12 L of water. Is 12 L a measure of capacity or weight?

ANSWER _____

- 6** A bag of rice weighs 3 kg. What is being measured?

ANSWER _____

APPLY IT Show your work

- 1** Maya is filling party cups with fruit punch. Each cup holds 250 mL. She fills 3 cups. What kind of measurement should Maya use, and how much punch does she need?

WORK SPACE

ANSWER _____

- 2** Noah is packing donation boxes. Each box has a 2 kg bag of pet food. He packs 3 boxes. What kind of measurement should Noah use, and what is the total weight?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At soccer practice, a cooler has 2 L of water. Four players each fill a 450 mL bottle. Is capacity or weight useful? Is there enough water? Explain with numbers.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A puppy weighs 4 kg. Is 4 kg a measure of capacity or weight?	weight
2	A sports drink bottle holds 500 mL. What is being measured?	liquid volume (capacity)
3	Choose the best unit to measure how much soup is in a bowl: mL or kg.	mL
4	Choose the best unit to measure the weight of a pumpkin: L or kg.	kg
5	A bucket holds 12 L of water. Is 12 L a measure of capacity or weight?	capacity
6	A bag of rice weighs 3 kg. What is being measured?	weight

PART 2 • APPLY IT

1. **Liquid volume (capacity), 750 mL** Use capacity because Maya is measuring a liquid. Multiply 250 mL by 3 cups to get 750 mL.
2. **Weight, 6 kg** Use weight because Noah is measuring how heavy the pet food is. Multiply 2 kg by 3 boxes to get 6 kg.

CHALLENGE

Capacity is useful. 2 L = 2,000 mL. Four bottles need 1,800 mL, so there is enough water and 200 mL left.

Accept "liquid volume" or "capacity" as equivalent terms. For the challenge, accept an answer that shows 2 L is 2,000 mL and identifies 200 mL remaining.