

Liquid Unit Detectives

Choose units that fit each amount of liquid.

GRADE 4 • 4.MG.1.a.iii

4.MG.1.a.iii "Determine an appropriate unit of measure to use when measuring: liquid volume in both U.S. Customary (cup, pint, quart, gallon) and metric units (milliliter, liter)."

NAME _____

DATE _____

MATCH THE SIZE

For U.S. customary liquid volume, a cup is small, then a pint, quart, and gallon get larger. For metric liquid volume, use milliliters for very small amounts and liters for larger amounts.

WORKED EXAMPLE

A pet shelter needs to measure water for a large storage tank. Choose the best U.S. customary unit: cup, pint, quart, or gallon.

1. A storage tank holds a large amount of water.
2. A gallon measures a large U.S. customary liquid volume.
3. Choose gallon.

Answer: gallon

PRACTICE 6 problems

- 1** Choose the best U.S. customary unit to measure juice in one small glass: cup, pint, quart, or gallon.

ANSWER _____

- 2** Choose the best U.S. customary unit to measure ice cream in a small container: cup, pint, quart, or gallon.

ANSWER _____

- 3** Choose the best U.S. customary unit to measure milk in a large carton: cup, pint, quart, or gallon.

ANSWER _____

- 4** Choose the best U.S. customary unit to measure water in a large aquarium: cup, pint, quart, or gallon.

ANSWER _____

- 5** Choose the best metric unit to measure a dose of liquid medicine: milliliter or liter.

ANSWER _____

- 6** Choose the best metric unit to measure soda in a large bottle: milliliter or liter.

ANSWER _____

APPLY IT Show your work

- 1** Jada is making a snack mix recipe. She needs to measure a small amount of juice for one serving. Which U.S. customary unit should she use: cup, pint, quart, or gallon?

WORK SPACE

ANSWER _____

- 2** The science club is filling a large container with water for a plant-growing project. Which metric unit should they use: milliliter or liter?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A school fair needs labels for these containers. Choose the best unit for each: a tiny bottle of food coloring, a container of ice cream, a large water jug, and a large bottle of soda. Use milliliter, pint, gallon, and liter. Then explain why the units are different.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Choose the best U.S. customary unit to measure juice in one small glass: cup, pint, quart, or gallon.	cup
2	Choose the best U.S. customary unit to measure ice cream in a small container: cup, pint, quart, or gallon.	pint
3	Choose the best U.S. customary unit to measure milk in a large carton: cup, pint, quart, or gallon.	quart
4	Choose the best U.S. customary unit to measure water in a large aquarium: cup, pint, quart, or gallon.	gallon
5	Choose the best metric unit to measure a dose of liquid medicine: milliliter or liter.	milliliter
6	Choose the best metric unit to measure soda in a large bottle: milliliter or liter.	liter

PART 2 • APPLY IT

1. **cup** One serving is a small amount of liquid. A cup is the best U.S. customary unit.
2. **liter** The container holds a large amount of water. A liter is the better metric unit for a larger liquid volume.

CHALLENGE

tiny bottle of food coloring: milliliter; container of ice cream: pint; large water jug: gallon; large bottle of soda: liter. The units are different because the containers hold different amounts of liquid and use either metric or U.S. customary units.

Accept singular or plural forms of the listed units. For the challenge explanation, accept reasoning that connects smaller containers with smaller units and larger containers with larger units.