

Name: _____

Capacity Questions: Millilitres and Litres

1. Which of the following should not be measured in litres or millilitres? (Circle one.)

gasoline

orange juice

potatoes

dish soap

Why wouldn't you use litres or millilitres to measure this item?

2. Complete the table.

Metric Units for Measuring Capacity	American/Imperial Units for Measuring Capacity

3. Is 250 grams of water the same as 250 millilitres of water? Explain.

4. Which would be more likely to be measured in litres: a can of soda or gasoline? Explain why.

Challenge: Make a list of 25 different things that could be measured in litres or millilitres.

ANSWER KEY

Capacity Questions: Millilitres and Litres

1. Which of the following should not be measured in litres or millilitres? (Circle one.)

gasoline orange juice potatoes dish soap

Why wouldn't you use litres or millilitres to measure this item?

Potatoes should not be measured in millilitres because they are a solid. Solids don't take the shape of their container, so their space cannot be easily measured in litres or millilitres.

2. Complete the table.

Metric Units for Measuring Capacity	American/Imperial Units for Measuring Capacity
<u>millilitres</u> <u>litres</u> <u>also accept: cubic centimetres, decilitres, centilitres, and kilolitres</u>	<u>gallons</u> <u>quarts</u> <u>pints</u> <u>cups</u> <u>also accept: fluid ounces, tablespoons, and teaspoons</u>

3. Is 250 grams of water the same as 250 millilitres of water? Explain.

No because a gram is a unit for measuring mass while a millilitre is a unit for measuring capacity or volume.

4. Which would be more likely to be measured in litres: a can of soda or gasoline? Explain why.

Gasoline is more likely to be measured in litres because it is purchased in larger amounts. A can of soda is usually measured in millilitres to avoid fractions or decimals on the can.

Challenge: Make a list of 25 different things that could be measured in litres or millilitres.