

Mathematics

Volume and Capacity

Lesson 1 Volume

Tuesday

You will learn to...

- compare the volume of liquid in two or more containers

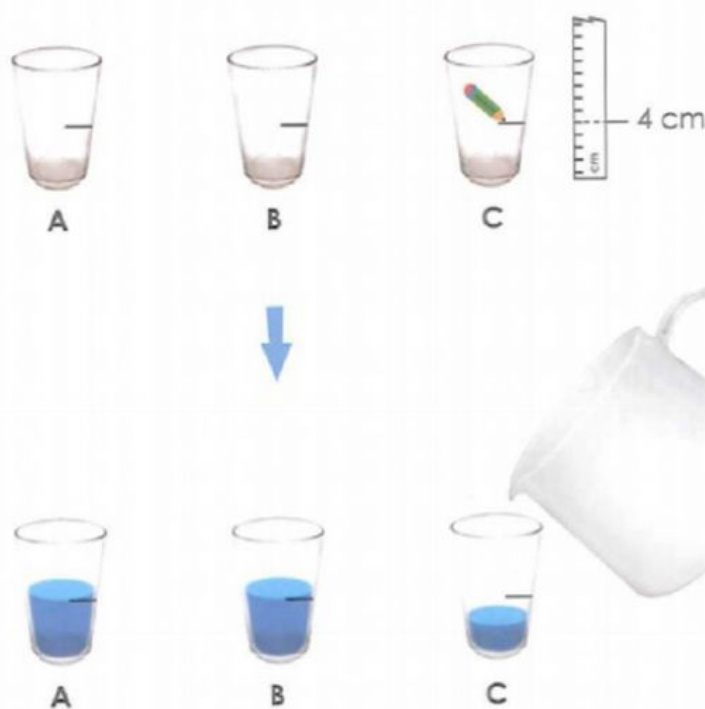
Understanding volume

Let's Learn

Glass A, Glass B and Glass C are identical.

Math
Lab

Picture
It



Glass A and Glass B contain the same amount of liquid. They have the same **volume** of liquid.

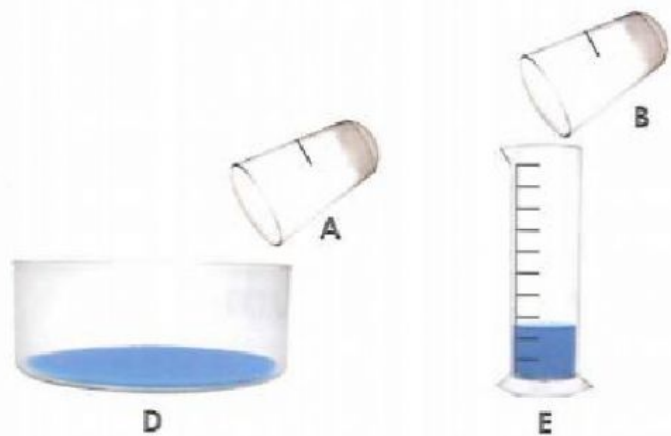
Glass C contains less liquid than Glass A and Glass B. The volume of liquid in Glass C is less than the volume of liquid in Glass A and Glass B.

The volume of a liquid is the amount of space it takes up.

Pour all the liquid from Glass A into Container D.

Pour all the liquid from Glass B into Container E.

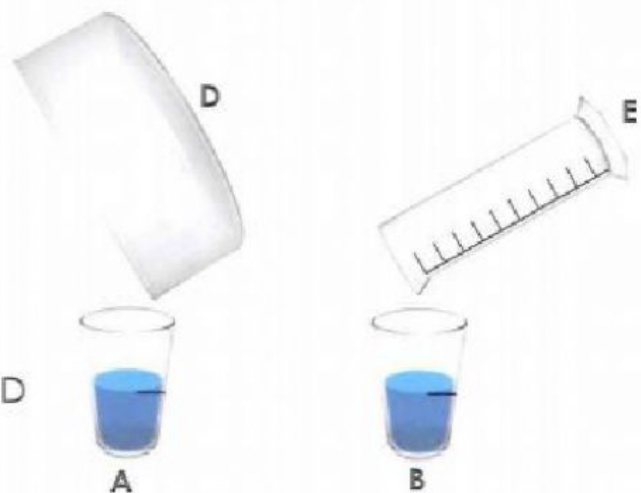
Which contains a greater volume of liquid, Container D or Container E?



Pour the liquid back into the glasses.

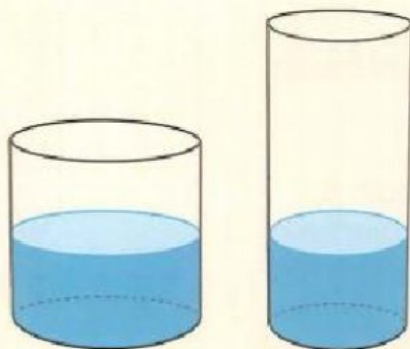
What do you notice?

The volume of liquid in Container D and Container E is .



Think About It

Which container has a greater volume of water?



Both containers have the same level of water. So, they contain the same volume of water.



Yen

Is Yen correct? Explain why.

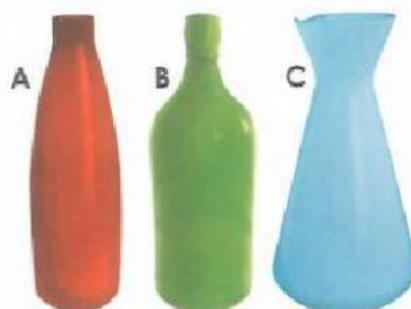
Comparing volumes

Let's Learn

Math
Lab

There is some strawberry milk in each of these bottles.

Picture
It



All the milk in each bottle is poured into identical glasses.



Bottle A contains 3 glasses of milk.



Bottle B contains 4 glasses of milk.



Bottle C contains 2 glasses of milk.

The volume of milk in Bottle A is less than the volume of milk in Bottle B.

The volume of milk in Bottle A is the volume of milk in Bottle C.

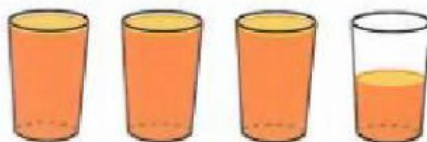
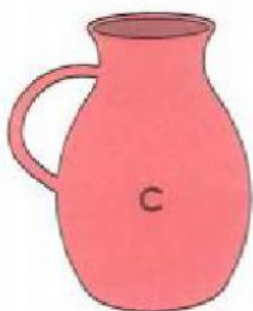
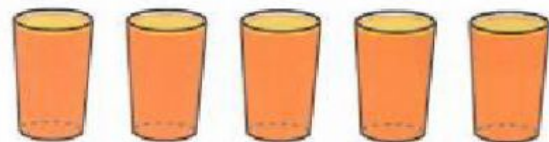
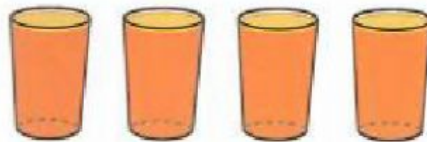
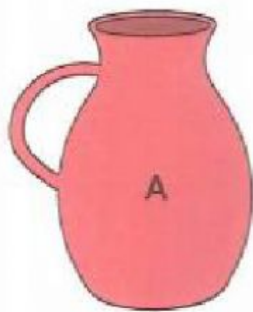
Bottle B contains the greatest volume of milk.
Bottle contains the smallest volume of milk.

Bottle A fills fewer glasses than Bottle B.



Let's Do

1. All the juice in each jug is poured into identical glasses.



Fill in the blanks.

- a) Jug ____ contains more juice than Jug A.
- b) Jug ____ contains less juice than Jug A.
- c) Jug ____ contains the smallest volume of juice.
- d) Jug ____ contains the greatest volume of juice.