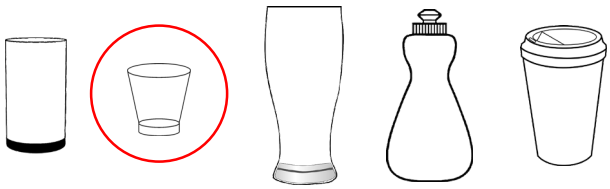
Introduce capacity and volume

Problem solving and reasoning cards:



The container that has been circled holds the most amount of liquid.

Spot the mistake. Explain your answer.

Always, sometimes, never?

The **shortest** container holds the **least** liquid.

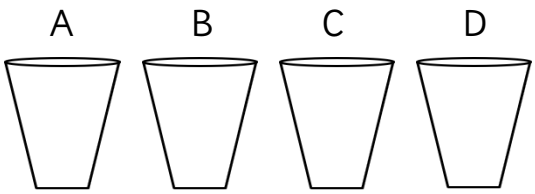
Explain your answer.

Always, sometimes, never?

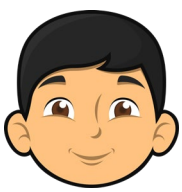
Identical containers can have different capacities.

Explain your answer.

The glasses have been ordered from empty to full. Draw juice in the glass to make it true.

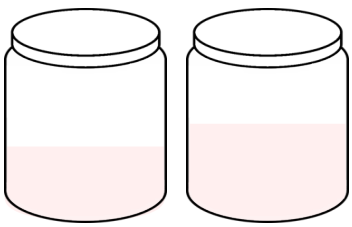


empty					full
	B	D	C	A	



A has a greater volume of liquid than B.

True or false?



Explain how you know.

Jess, Sue and Kat are comparing volume.

Jess

My glass has more juice than Sue's.

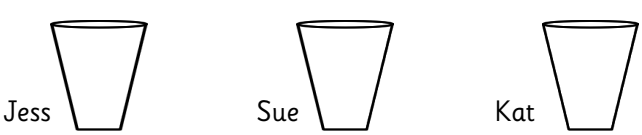
My glass is nearly full.

Sue

Kat

My glass has less juice than Jess'.

Shade each glass with the how much juice there could be.



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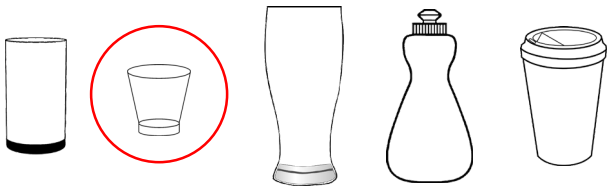


The container that has been circled holds the most amount of liquid.

Spot the mistake. Explain your answer.

The circled container is the smallest container so holds the least not the most.

Always, sometimes, never?

The **shortest** container holds the **least** liquid.

Explain your answer.

Sometimes.
It would depend on the width of the container.

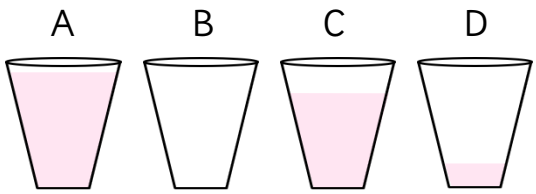
Always, sometimes, never?

Identical containers can have different capacities.

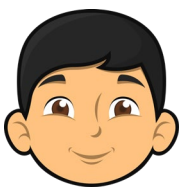
Explain your answer.

Never – if the containers are identical they will have the same capacity. They can have different volumes but not capacity.

The glasses have been ordered from empty to full. Draw juice in the glass to make it true.



empty | B | D | C | A | full



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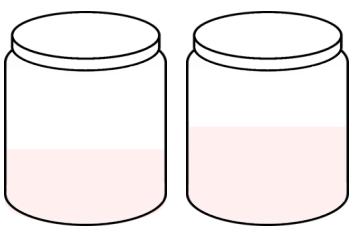
True or false?



Explain how you know.

False – there is more liquid in jar B.

Jess, Sue and Kat are comparing volume.

My glass has more juice than Sue's.

My glass is nearly full.

My glass has less juice than Jess'.

Shade each glass with the how much juice there could be.