

1) Sort these containers in order of capacity from smallest to greatest.



$\frac{1}{2}$ l



1l 25ml



1000ml



1l 250ml

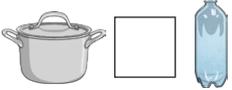
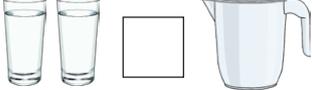
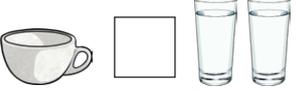


468ml

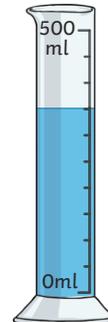
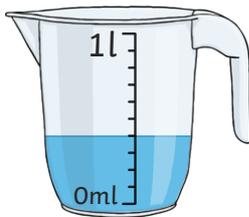
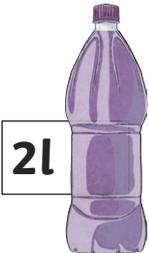
smallest

greatest

2) Use <, > or = to compare these containers.

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Stephen, Robbie and Mel are comparing different containers.



1) Sort the containers in order of volume from greatest to least.

2) Sort the containers in order of capacity from greatest to least.

3) Compare your answers to questions 1 and 2. Are the answers the same? Explain why.

4) Which statements do you agree with? Which do you disagree with? Explain why.

<p>Robbie says, "The volume of water in the jug is less than the volume of water in the measuring cylinder because the jug is less than half full and the measuring cylinder is more than half full."</p>	<p>Mel says, "The measuring cylinder has a greater capacity than the soft drink bottle because 500 is greater than 2."</p>	<p>Stephen says, "The jug can hold more liquid than the juice bottle because 1l is greater than $\frac{1}{2}$ litre."</p>
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1) Zoe, Scarlet, Delilah and Lola each have a water bottle. Use the clues to work out whose bottle is whose.



A



This bottle belongs to

B



This bottle belongs to

C



This bottle belongs to

D



This bottle belongs to

Scarlet's bottle has a capacity of half of 3l.

Zoe's bottle has a capacity of less than 1000ml but more than $\frac{1}{2}$ l.

The capacity of Delilah's bottle is greater than the capacity of Zoe's bottle but less than the capacity of Scarlet's bottle.

2) Write a clue to compare Lola's bottle to someone else's.

3) Use card or modelling equipment to make cylinders, cuboids and prisms with the same height. How could you compare their capacities? Do you notice anything?