Estimating Capacity

I can accurately estimate the capacity of containers.

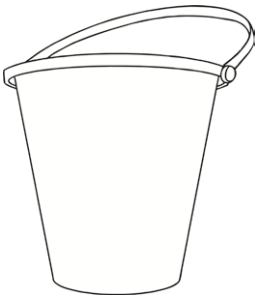
1. Circle the capacity that is the most sensible estimate for each of these objects.

a) teapot

200ml 1l

b) teacup

150ml 50ml



c) bucket

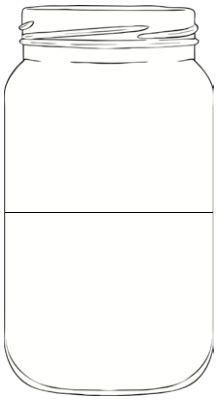
120ml 12l

d) yoghurt pot

100ml 10ml

2. Estimate the capacity of each container. The amount of water in each container is given.

a)



Amount = 250ml

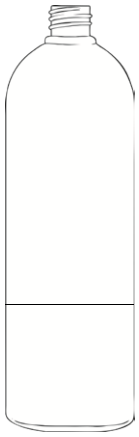
Capacity = _____

b)

Amount = 500ml

Capacity = _____

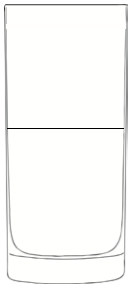
c)



Amount = 200ml

Capacity = _____

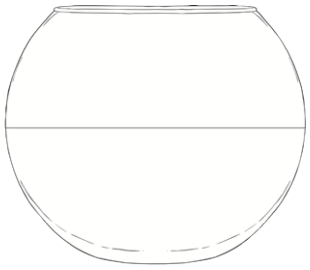
d)



Amount = 500ml

Capacity = _____

e)



Amount = 750ml

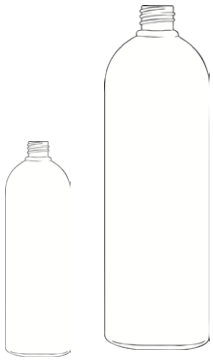
Capacity = _____

f)

Amount = 8l

Capacity = _____

3. Here are two bottles. The small bottle is full of water. Estimate how many of the small bottles you would need to use to fill the big bottle.



Estimate: _____ small bottles

4. These two containers have a total capacity of 10l. Estimate the capacity in litres of each container.

Capacity:

A = _____ l B = _____ l

5. Take two different containers, such as bottles, mugs or measuring jugs. Estimate which container has the greater capacity.

   Then, measure the capacity of a smaller container, such as an empty yoghurt pot. How could you use this to help you estimate which of the other containers has the greater capacity? Can you think of another way to find out which has the greater capacity without measuring the amount of water each container can hold?

   Test your ideas and determine which container has the greater capacity. Explain what you did and what you found out.

Estimating Capacity

I can accurately estimate the capacity of containers.

1. Circle the capacity that is the most sensible estimate for each of these objects.

a) vase

1l

10l

100ml

b) cereal bowl

4l

400ml

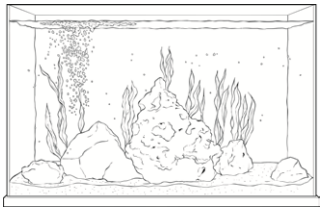
5000ml

c) mug

2l

300ml

3000ml



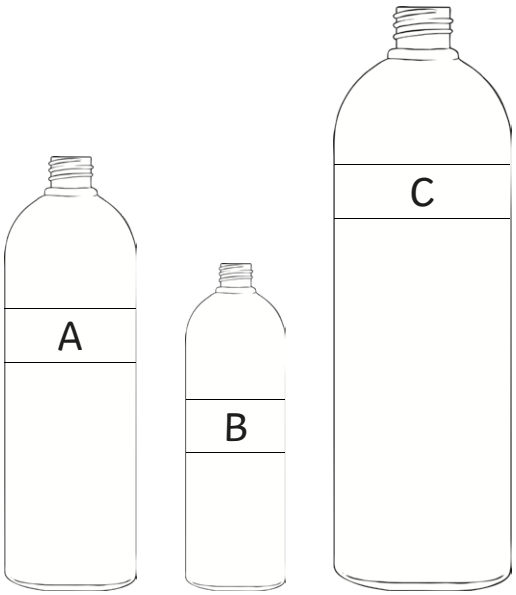
d) fishtank

25l

250l

2500ml

2. The capacity of Bottle A is 10 litres. Use this to estimate the capacities of the other bottles.



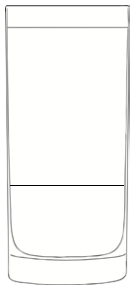
Capacity:

B = _____

C = _____

3. Estimate the capacity of each container. The amount of water in each container is given.

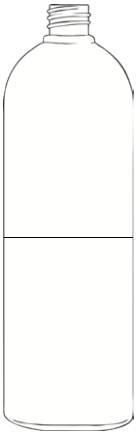
a)



Amount = 250ml

Capacity = _____

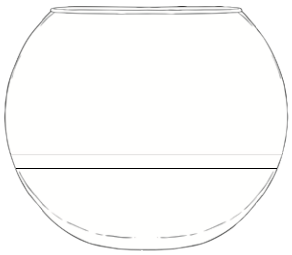
b)



Amount = 750ml

Capacity = _____

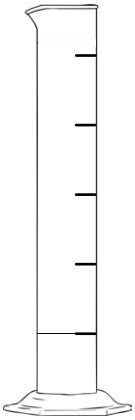
c)



Amount = 1250ml

Capacity = _____

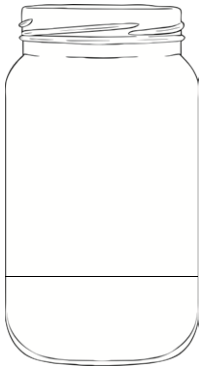
d)



Amount = 125ml

Capacity = _____

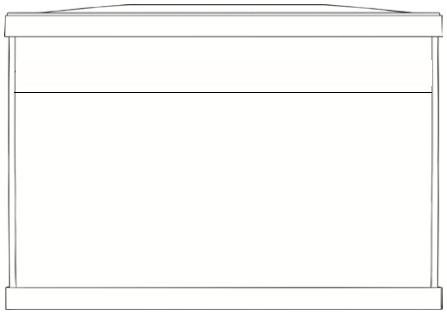
e)



Amount = 500ml

Capacity = _____

f)



Amount = 3l

Capacity = _____

4. These two containers have a total capacity of 7.5l. Estimate the capacity in litres of each container.

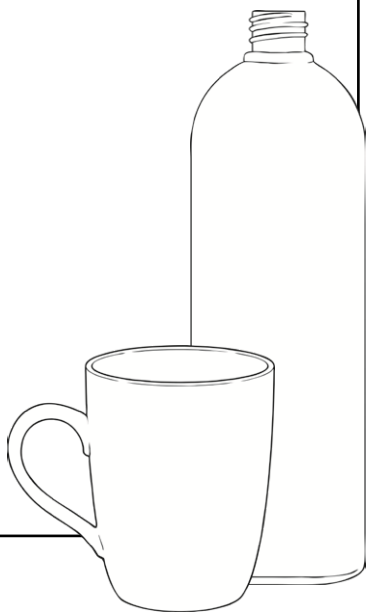
Capacity:

A = _____ B = _____

5. Take two different containers, such as bottles, mugs or measuring jugs. Estimate which container has the greater capacity.

   Then, measure the capacity of a smaller container, such as an empty yoghurt pot. How could you use this to help you estimate which of the other containers has the greater capacity? Can you think of another way to find out which has the greater capacity without measuring the amount of water each container can hold?

   Test your ideas and determine which container has the greater capacity. Explain what you did and what you found out.



Estimating Capacity

I can accurately estimate the capacity of containers.

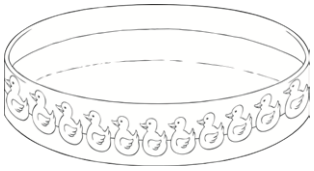
1. Estimate the capacity of each of these objects.

a)

thimble

Capacity: _____

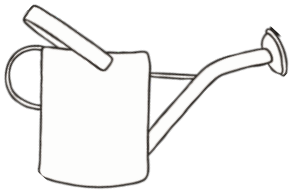
b)



paddling pool

Capacity: _____

c)



watering can

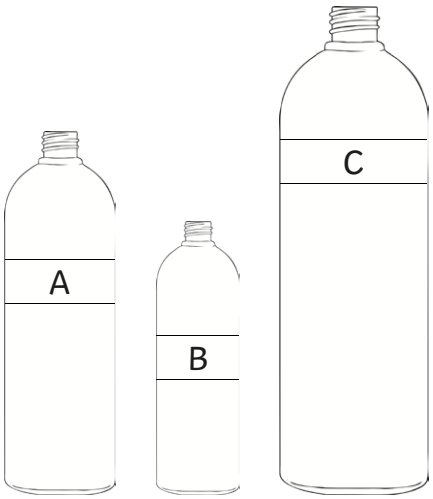
Capacity: _____

d)

kettle

Capacity: _____

2. The capacity of Bottle C is 1 litre. Use this to estimate the capacities of the other bottles.



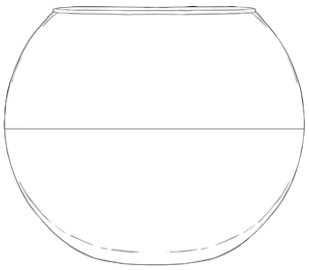
Capacity:

A = _____

B = _____

3. Estimate the capacity of each container. For some questions, you may need to convert between litres and millilitres.

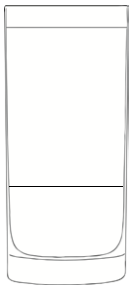
a)



Amount = 3.5l

Capacity = _____

b)



Amount = 0.25l

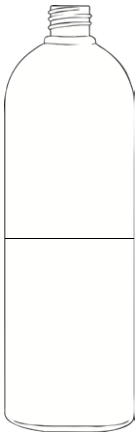
Capacity = _____

c)

Amount = 35ml

Capacity = _____

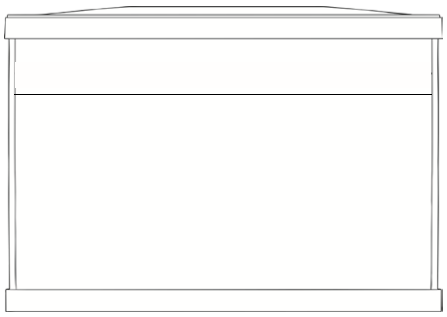
d)



Amount = 1.25ml

Capacity = _____

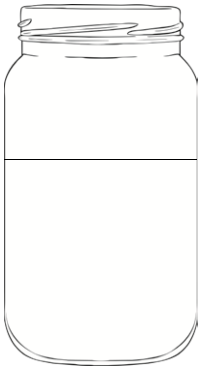
e)



Amount = 6l

Capacity = _____

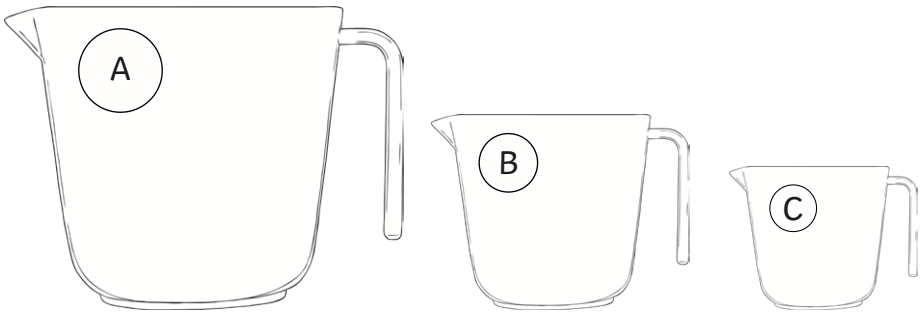
f)



Amount = 0.6l

Capacity = _____

4. These three containers have a total capacity of 15l. Estimate the capacity in litres of each container.



Capacity:

A = _____ B = _____ C = _____

5. Take three different containers, such as bottles, mugs or measuring jugs. Estimate which container has the greater capacity.

   Then, measure the capacity of a smaller container, such as an empty yoghurt pot. How could you use this to help you estimate which of the other containers has the greater capacity? Can you think of another way to find out which has the greater capacity without measuring the amount of water each container can hold?

   Test your ideas and determine which container has the greater capacity. Explain what you did and what you found out.