

DIY Capacity Project

Your task is to change a plain plastic bottle into a measuring bottle. This is called calibrating.

You need:

1. strip of sticky paper / masking tape
2. lentils / rice / water
3. a 2 litre bottle
4. a 100 *ml* measuring cup
5. a 50 *ml* measuring cup



- Stick a strip of sticky paper vertically on the side of your 2 litre bottle.
- Fill the 100 *ml* measure with lentils/rice...
- Pour them into the 2 litre bottle.
- Make sure the lentils are level.
- Mark 100 *ml* on the strip of paper/masking tape, at the top of the pile of lentils.
- Complete your scale by marking 100 *ml* intervals until your bottle is full of lentils.

To make it easier to pour the lentils use a funnel!

You now have a scale that will measure to the nearest 100 *ml*.

Can you use a 50 *ml* measuring cup to improve on this?

- Use your bottle to find the capacities of some other containers you can find around the house!

Remember that you might need to estimate between two intervals!

Let's have fun with water!

Look at the different objects below.

Each has a different capacity.



250 ml



5 ml



500 ml

Using the objects above, how many different ways can you think of, to fill a jug with exactly 1 ℓ of water?



Which bottle is going to be filled up first? Bottle ____

In the boxes below, write the numbers of the different bottles, in order of how they are going to be filled up.

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Filled First

Filled Last