# Year 2
# Maths
# 25/06/2020

# **Lesson Aims**

- <u>Capacity</u>
- To be able to read scales accurately.
- I can work out what the scale is counting in.
-  I can work out the value of the unmarked divisions.
- I can measure capacity and volume.
- I can compare capacity and volume.
- I can solve problems about capacity and volume.

# Wrong Card

One of these cards is incorrect.

Can you find it? Can you explain your answer?

**Even Numbers**

52    48

36    71

**Odd Numbers**
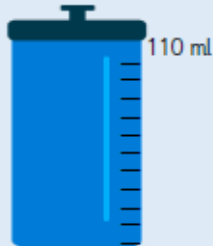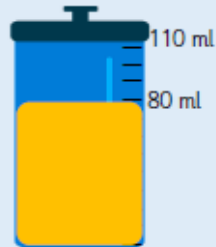
49    37

73    99

# Capacity/volume

Capacity is the amount of liquid a container can hold.

110 ml

The capacity of this bottle is 110 ml.

Volume is how much liquid is in the container.

110 ml
80 ml

The volume of this liquid is 80 ml.

1000ml=1l

# Main Teaching

Look at a variety of different containers labelled in ml.

| 5 ml | 10 ml | 80 ml | 100 ml |

Is 5 ml a large or small amount?

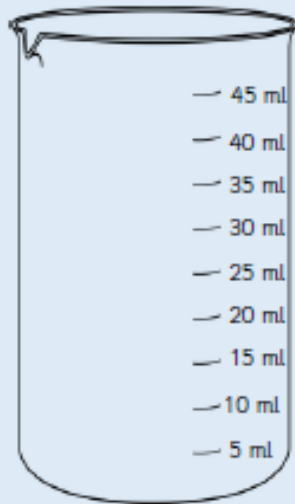Which container holds the most millilitres?

Show on the measuring jug the volume of liquid from each container.

45 ml
40 ml
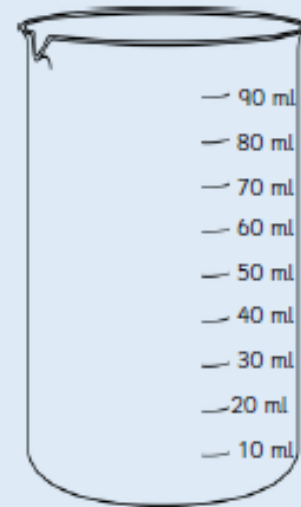35 ml
30 ml
25 ml
20 ml
15 ml
10 ml
5 ml

10 ml

90 ml
80 ml
70 ml
60 ml
50 ml
40 ml
30 ml
20 ml
10 ml

80 ml

The measuring jug's capacity is _____ml.

The measuring jug's capacity is _____ml.

# Main Teaching

10 ml

45 ml
40 ml
35 ml
30 ml
25 ml
20 ml
15 ml
10 ml
5 ml

The measuring jug's capacity is
_____45___ml.

80 ml

90 ml
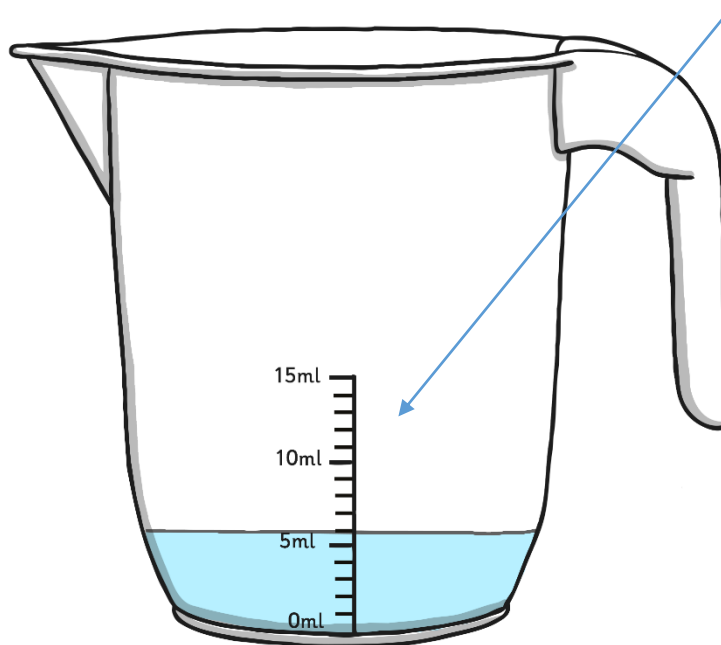80 ml
70 ml
60 ml
50 ml
40 ml
30 ml
20 ml
10 ml

The measuring jug's capacity is
_____90___ml.

# How much liquid is in this jug?

Look carefully at what each line represents!

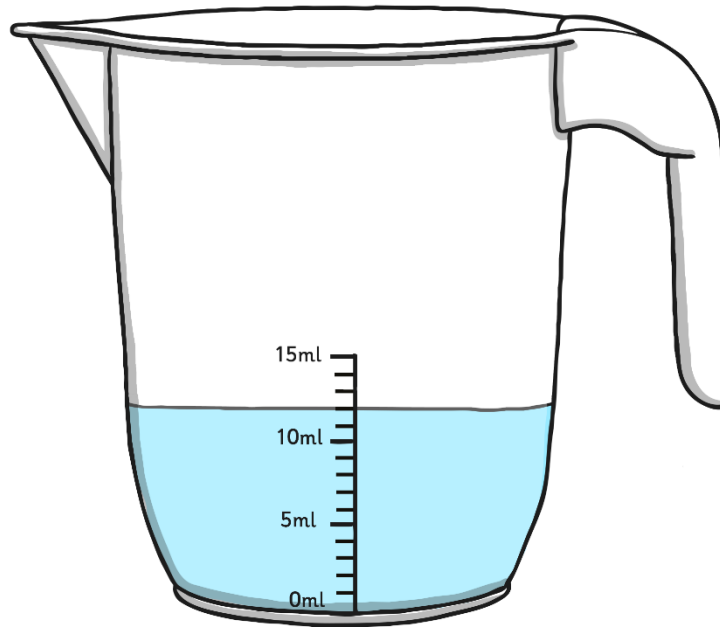Can you see each line represents 1ml.

15ml
10ml
5ml
0ml

_____ml

15ml

10ml

5ml

0ml

_____ **6** _____ ml

# How much liquid is in this jug?



_____ml
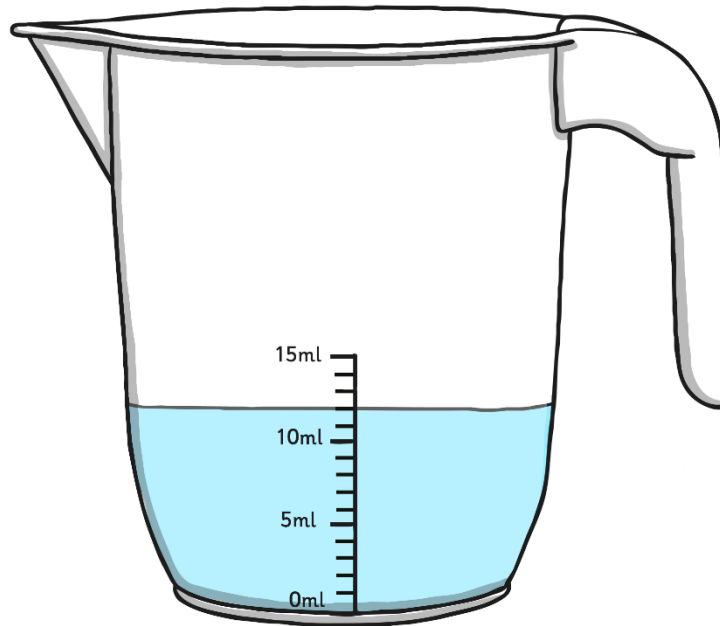
15ml

10ml

5ml

0ml

**12** ml

# How much liquid is in this jug?



_____ml

# How much liquid is in this jug?



**16** ____ml

# How much liquid is in this jug?



50ml
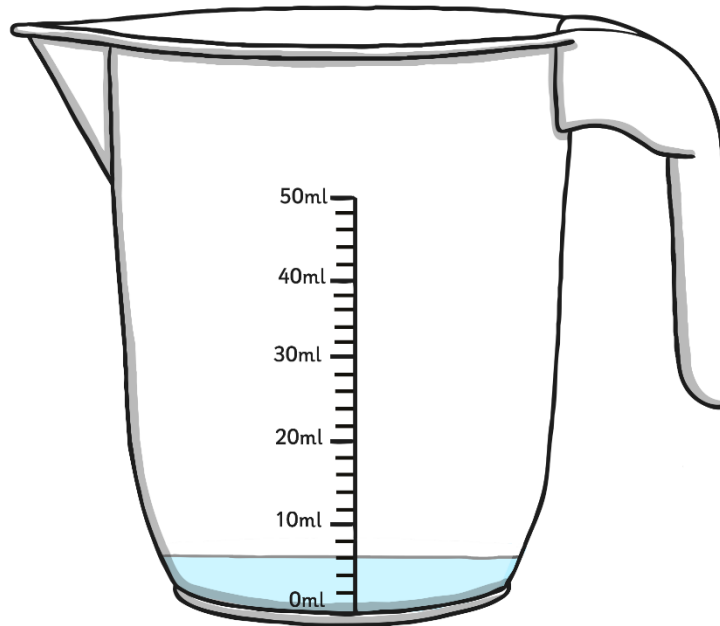40ml
30ml
20ml
10ml
0ml

Look carefully again at what each line represents.

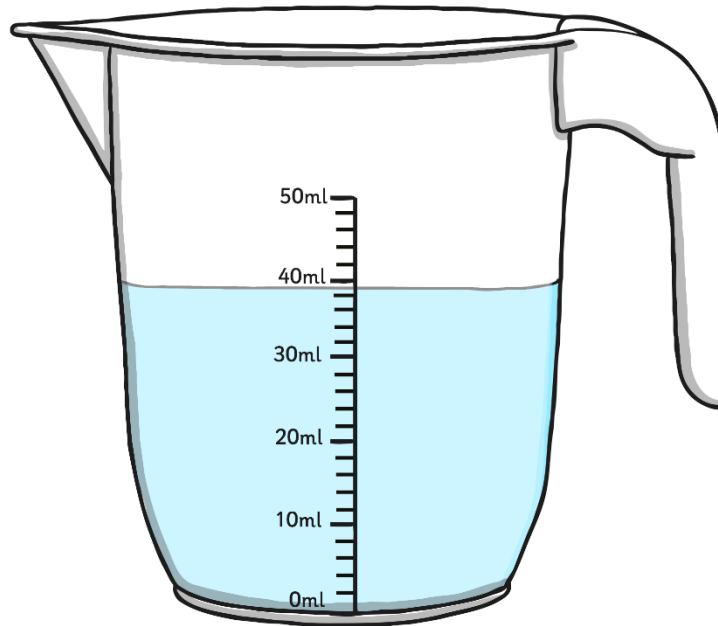Can you see each line represents 2ml.

_____ml

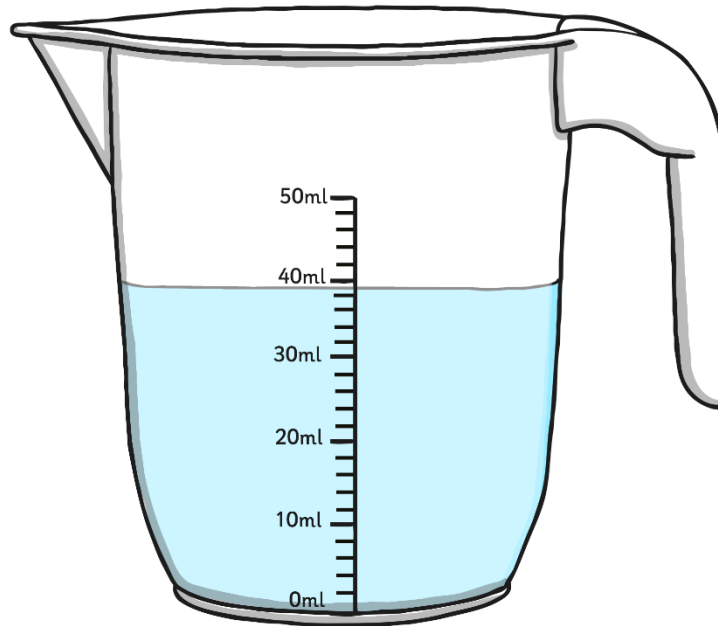# How much liquid is in this jug?



_____ **6** ml

# How much liquid is in this jug?



Look really carefully at this one!!!
It is half way between 38 and 40.

_____ml

# How much liquid is in this jug?



**39** ml

# **Your task…**

1. Have a go at the sheet attached. ☺

There are 3 sheets. Choose one!  They get harder as you scroll down.

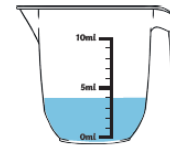2. Once you have completed the sheet have a go at the game below:

http://www.ictgames.com/mobilePage/capacity/index.html
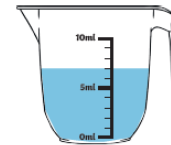
You can choose your challenge.

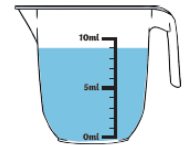## Measuring Volume

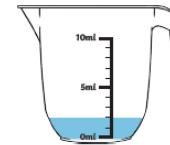Aim: I can measure volume.
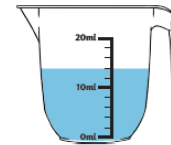
How much water is there in each jug?
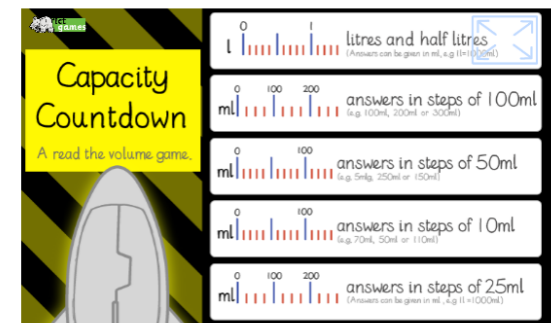
1. _____ ml   2. _____ ml   3. _____ ml

4. _____ ml   5. _____ ml   6. _____ ml

Capacity Countdown
A read the volume game.

litres and half litres
(Answers can be given in ml, e.g. 1l = 1000ml)

answers in steps of 100ml
(e.g. 100ml, 200ml or 300ml)

answers in steps of 50ml
(e.g. 5ml, 250ml or 150ml)

answers in steps of 10ml
(e.g. 70ml, 50ml or 110ml)

answers in steps of 25ml
(Answers can be given in ml, e.g. 1l = 1000ml)