

Aim

- I can measure volume in litres and millilitres.

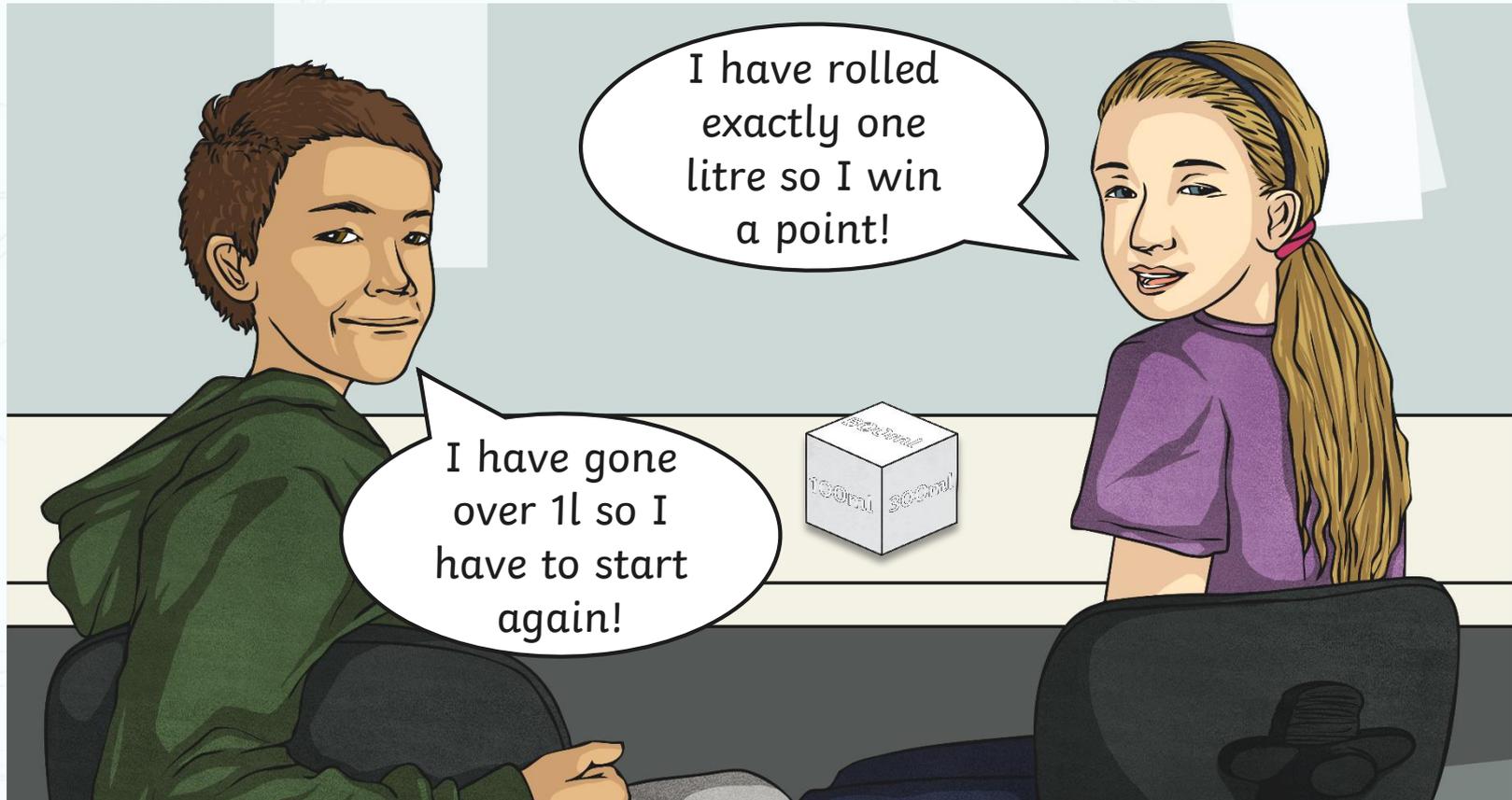
Success Criteria

- I can calculate the intervals on a scale.
- I can read scales to measure in litres and millilitres.

Make a Litre



In pairs, take turns to roll the Millilitres Dice. Keep a running total of your score. The first person to reach exactly 1l wins 1 point.

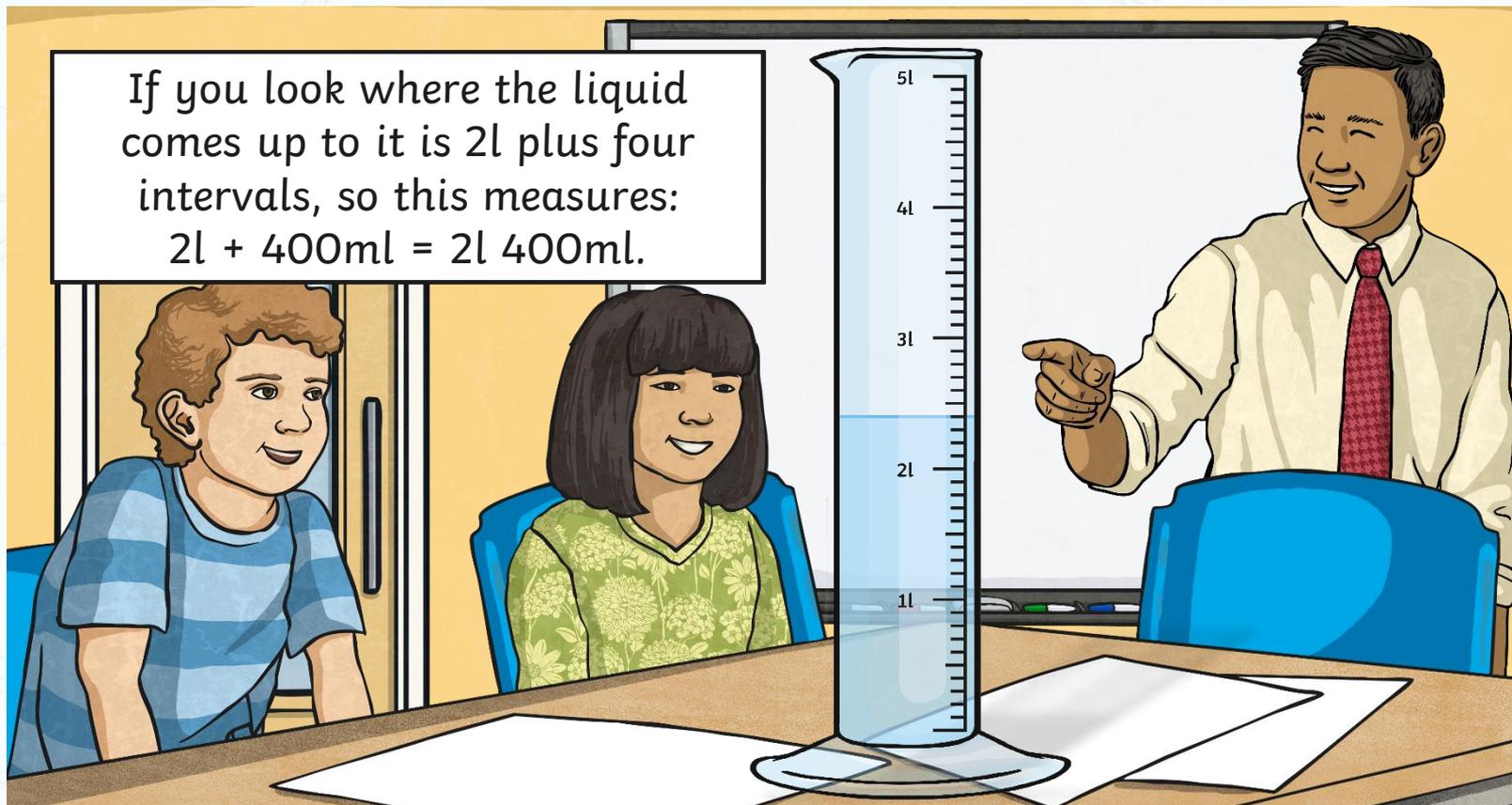


Measuring Volume in Litres and Millilitres



We are going to measure volume in litres and millilitres.

If you look where the liquid comes up to it is 2l plus four intervals, so this measures:
 $2\text{l} + 400\text{ml} = 2\text{l } 400\text{ml}.$

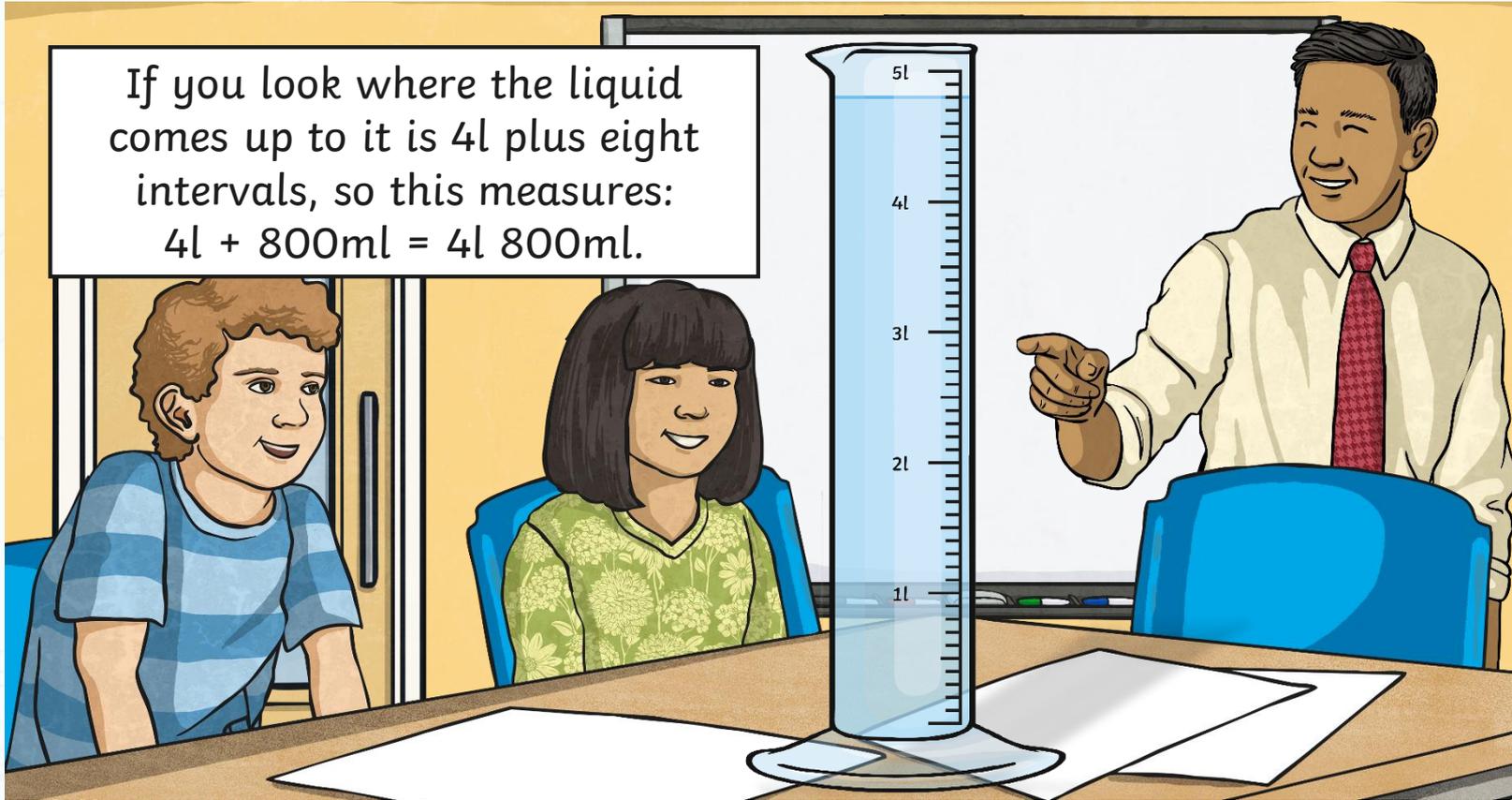


Measuring Volume in Litres and Millilitres



This is the same scale, how much liquid is in the measuring cylinder?

If you look where the liquid comes up to it is 4l plus eight intervals, so this measures:
 $4\text{l} + 800\text{ml} = 4\text{l } 800\text{ml}.$

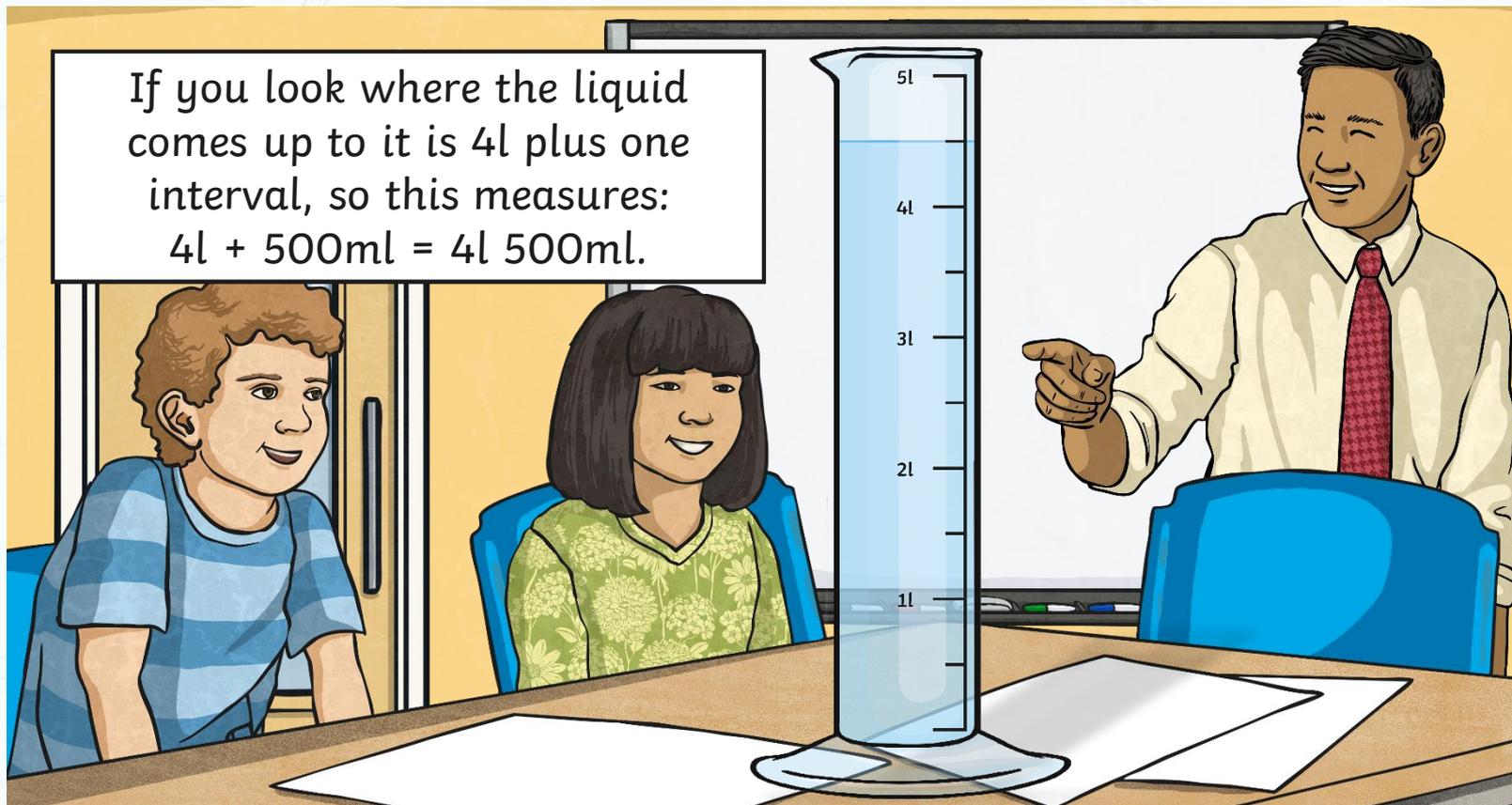


Measuring Volume in Litres and Millilitres



We are going to measure volume in litres and millilitres.

If you look where the liquid comes up to it is 4l plus one interval, so this measures:
 $4\text{l} + 500\text{ml} = 4\text{l } 500\text{ml}$.

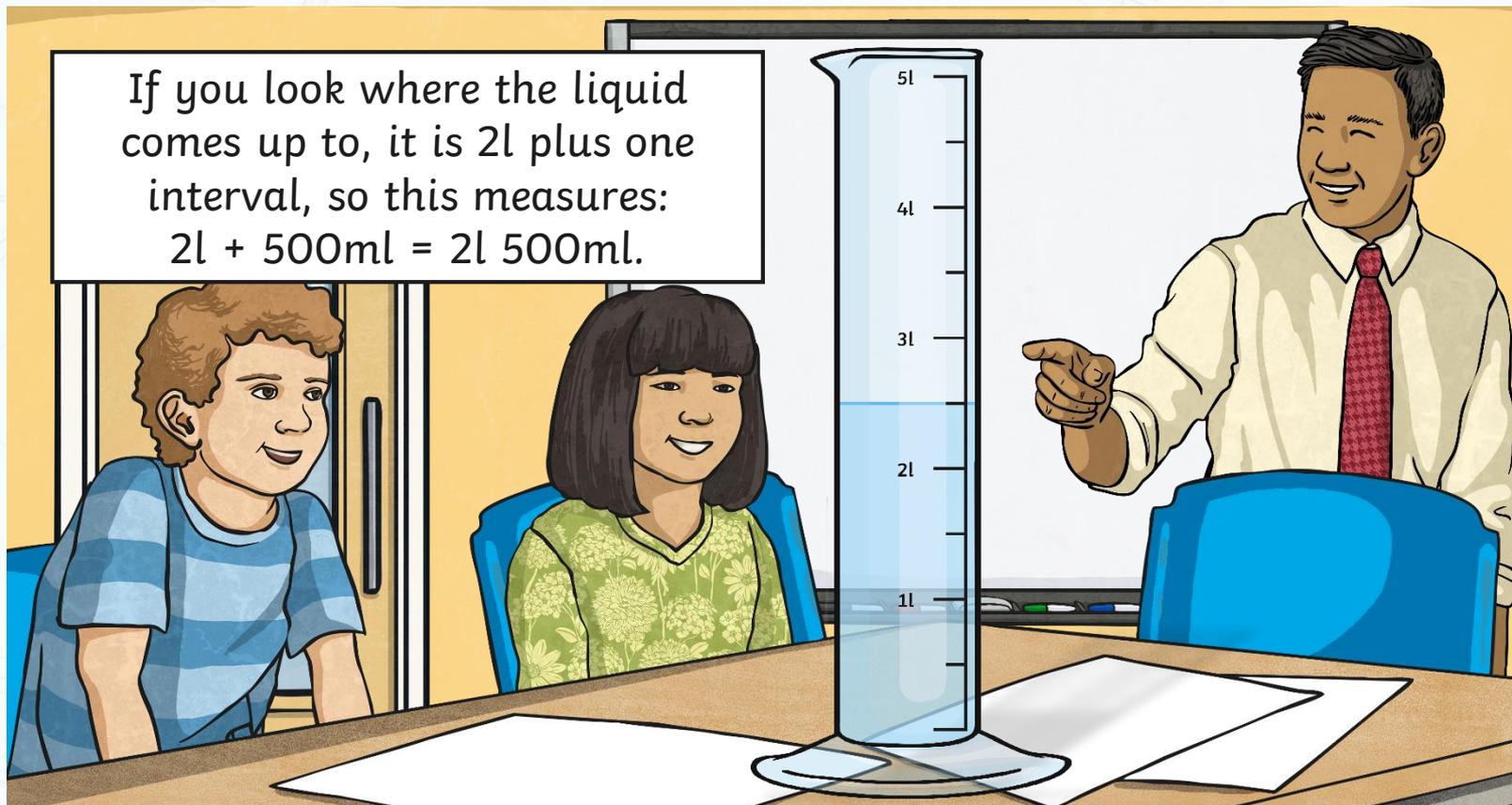


Measuring Volume in Litres and Millilitres



This is the same scale, how much liquid is in the measuring cylinder?

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 $2\text{l} + 500\text{ml} = 2\text{l } 500\text{ml}.$

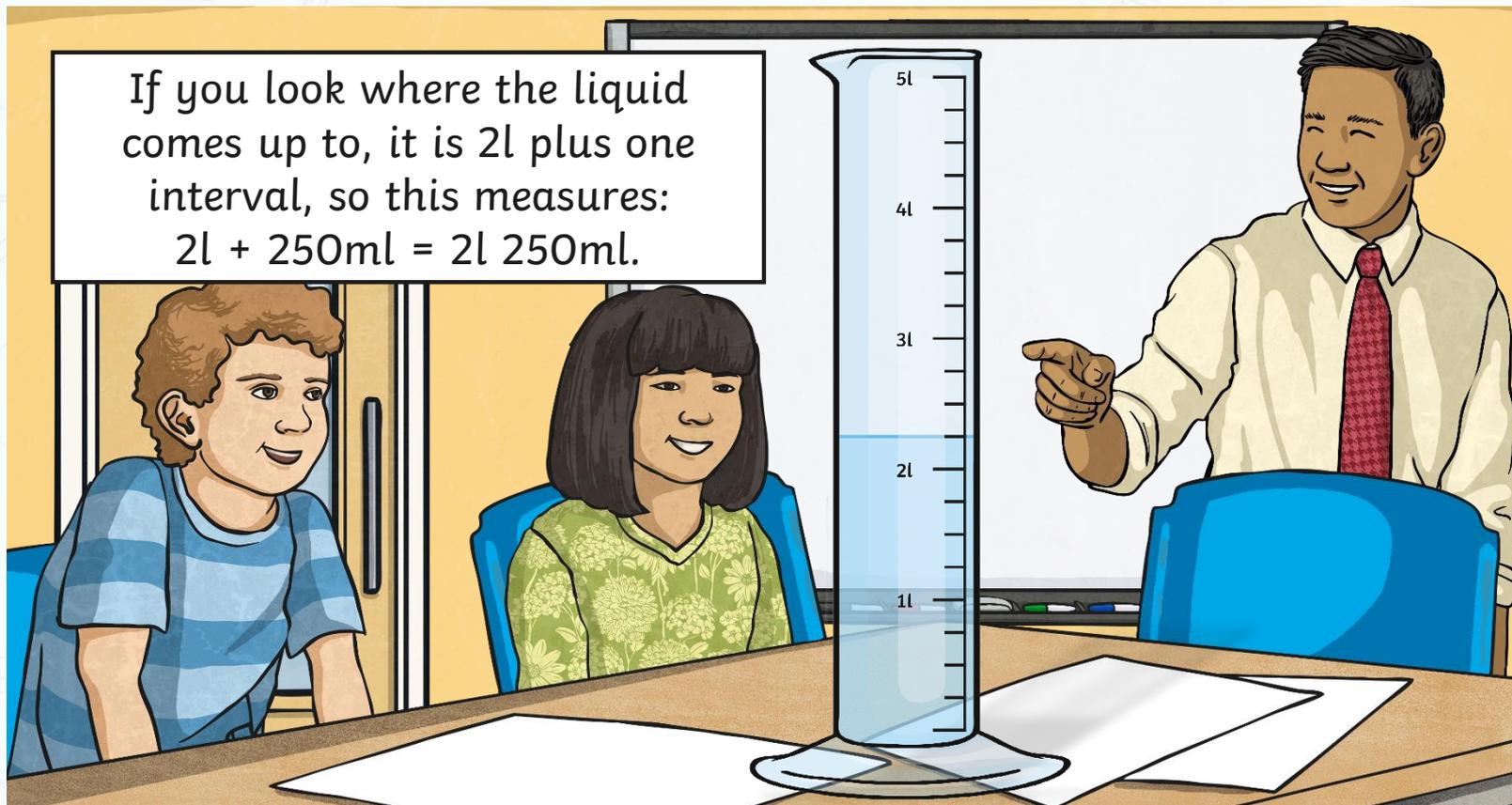


Measuring Volume in Litres and Millilitres



We are going to measure volume in litres and millilitres.

If you look where the liquid comes up to, it is 2l plus one interval, so this measures:
 $2\text{l} + 250\text{ml} = 2\text{l } 250\text{ml}.$

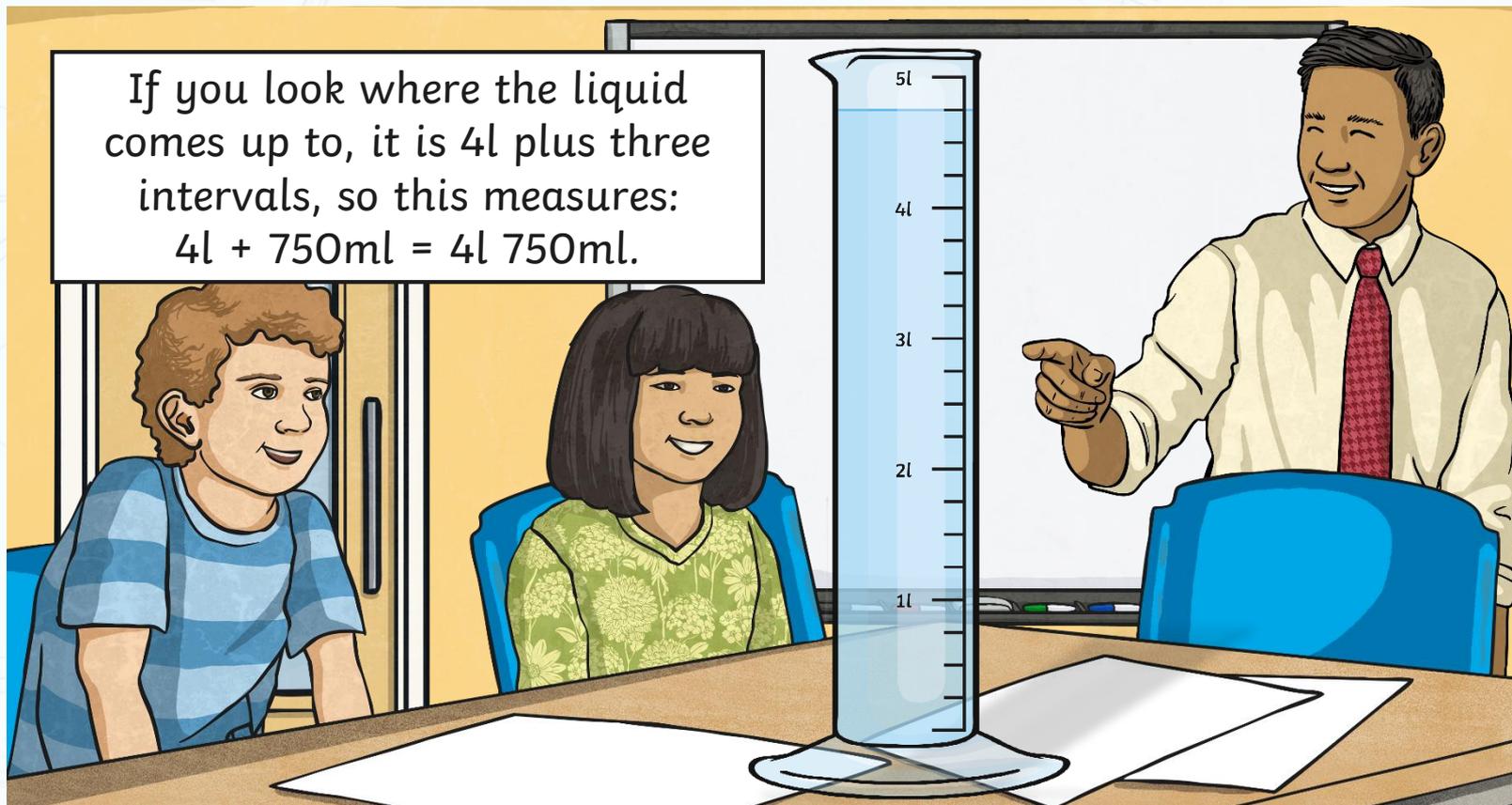


Measuring Volume in Litres and Millilitres



This is the same scale, how much liquid is in the measuring cylinder?

If you look where the liquid comes up to, it is 4l plus three intervals, so this measures:
 $4\text{l} + 750\text{ml} = 4\text{l } 750\text{ml}.$

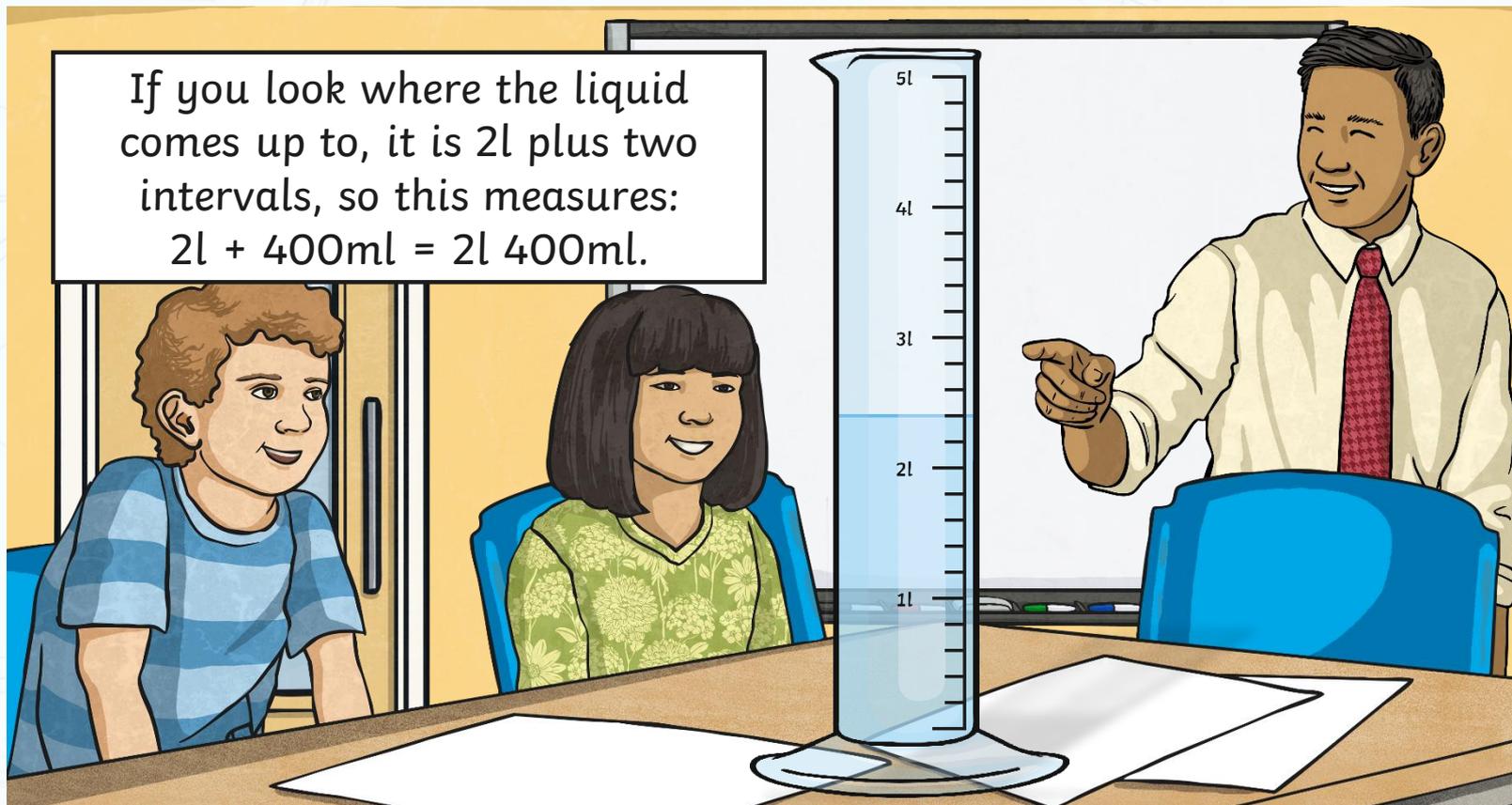


Measuring Volume in Litres and Millilitres



We are going to measure volume in litres and millilitres.

If you look where the liquid comes up to, it is 2l plus two intervals, so this measures:
 $2\text{l} + 400\text{ml} = 2\text{l } 400\text{ml}.$

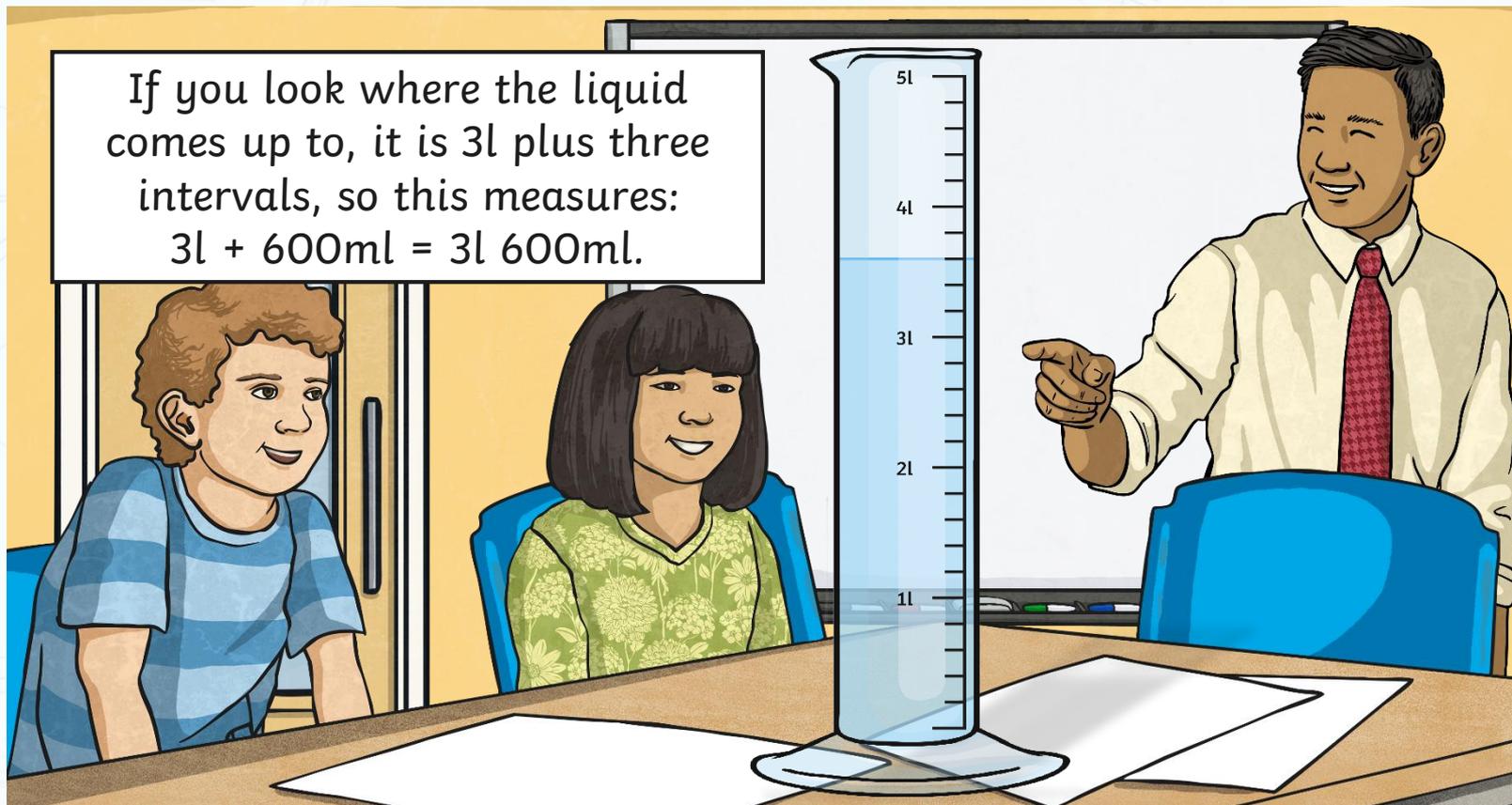


Measuring Volume in Litres and Millilitres

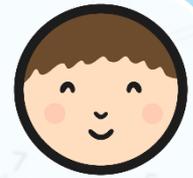


This is the same scale, how much liquid is in the measuring cylinder?

If you look where the liquid comes up to, it is 3l plus three intervals, so this measures:
 $3\text{l} + 600\text{ml} = 3\text{l } 600\text{ml}.$



Reading Scales



Use your marvellous measuring skills to complete these activity sheets:

Cylinder 2:
Explain how you know

A)

2) Fill each cylinder to the

A) 11 700ml

Reading Scales to Measure in Litres

I can

Write how much liquid is in

Cylinder 1:
Explain how you know what

A)

Cylinder 2:
Hint: There are 5 increments
Each increment is worth

A)

I can

Write how much liquid is in

Cylinder 1:
Hint: There are 10 increments
Each increment is worth 100

A)

Cylinder 3:
Hint: There are 4 increments
Each increment is worth 100

A)

I can

Write how much liquid is in

Cylinder 1:
Hint: There are 2 increments
Each increment is worth 100

A)

Reading Scales to Measure in Litres and Millilitres

I can read scales to measure in litres and millilitres.

Write how much liquid is in each cylinder.

Cylinder 1:
Hint: There are 10 increments between 0 and 1l (1000ml).
Each increment is worth $1000\text{ml} \div 10 = 100\text{ml}$.

A)

B)

C)

D)

twinkl planit

twinkl planit

twinkl planit

twinkl planit

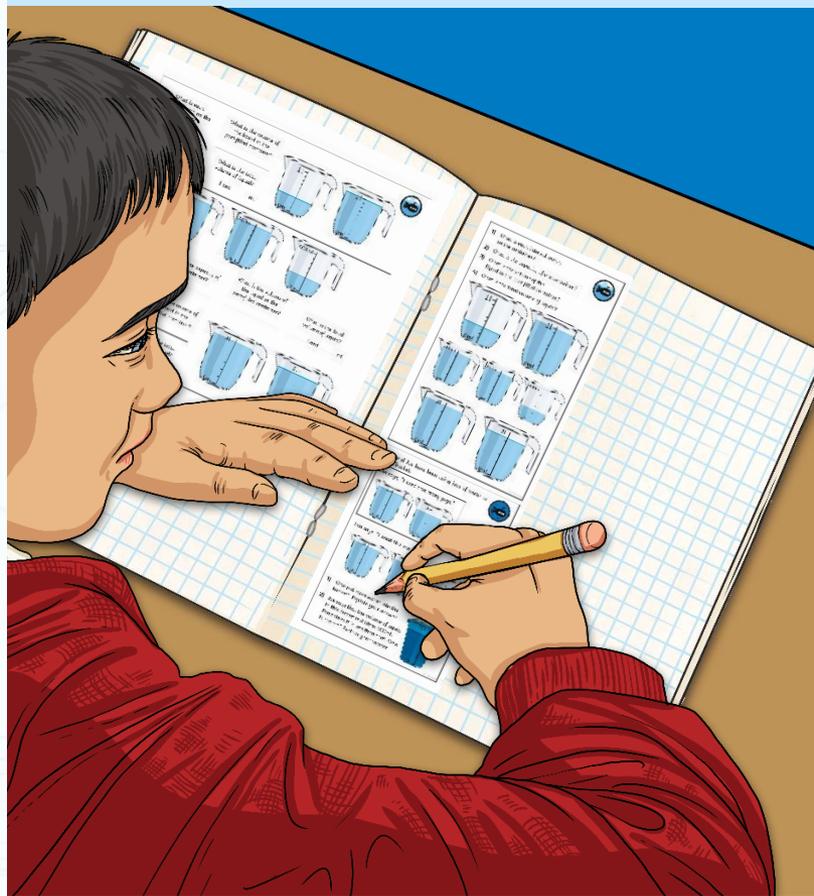
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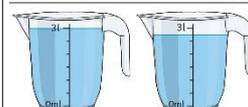
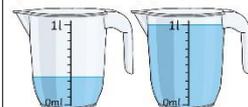
Maths Year 3: Measurement 1: Measure: Capacity, Mass and Length and Area of Measurement 1: Lesson 2 of 6: Reading in Litres and Millilitres

Diving into Mastery

Dive in by completing your own activity!



- 1) What is each interval worth on the container?
- 2) What is the capacity of one container?
- 3) What is the volume of the liquid in the part-filled container?
- 4) What is the total volume of liquid?



Eva and Joe have been using jugs of water to fill a bucket.

Joe says, "I used this many jugs."



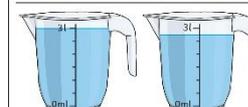
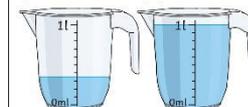
Eva says, "I used this many jugs."



- 1) Who put more water into the bucket? Explain your answer.
- 2) Joe says that the volume of liquid in this bucket is 8 litres 600ml. Eva thinks it is less than that. Who is correct? Explain your answer.



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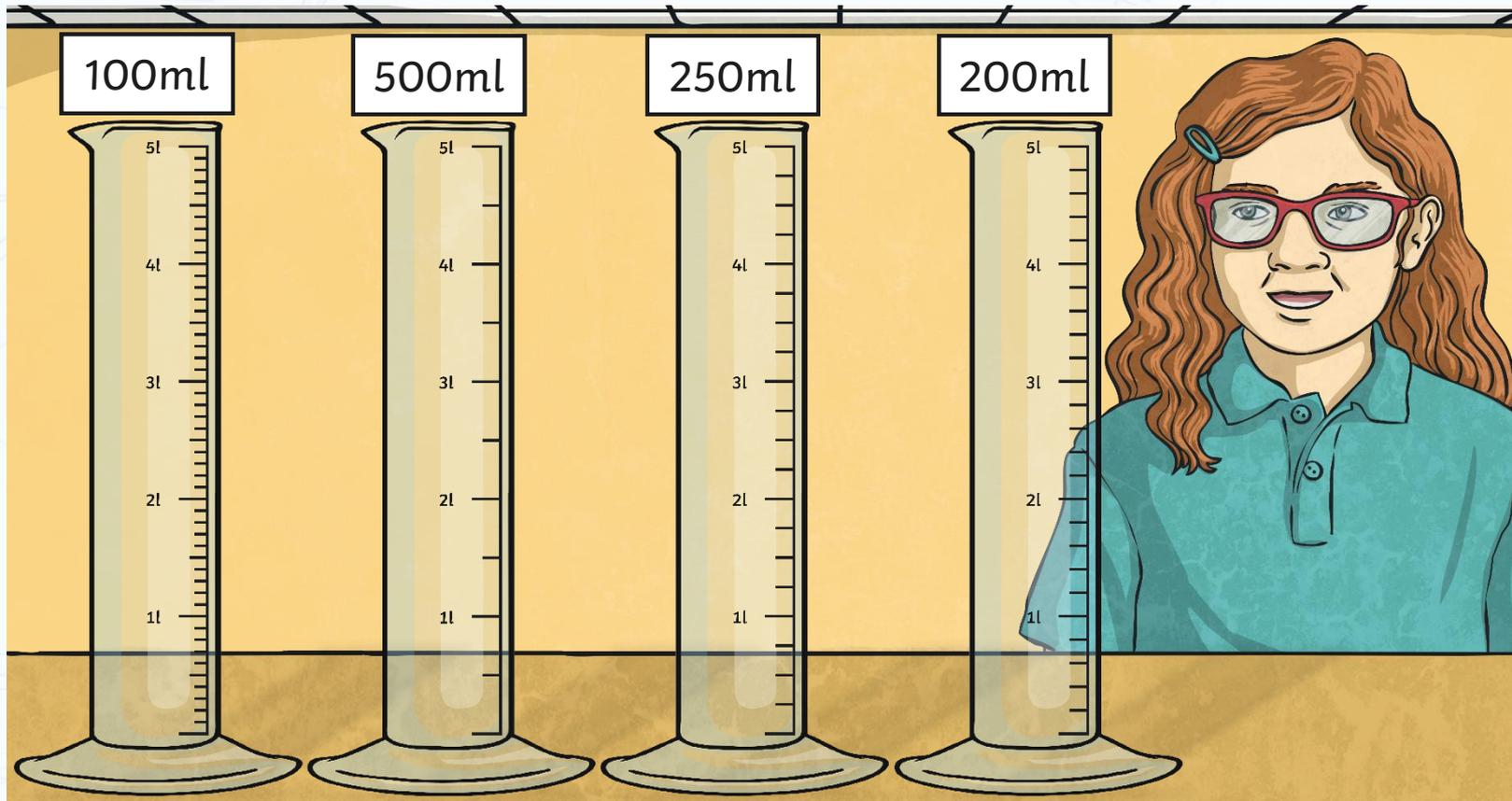
What is the total volume of liquid?
l and ml



What's the Scale?



On your whiteboard, write down what the small intervals on these scales are worth.



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