

If you have any questions about your learning please email:  
[learning@wembleyprimary.brent.sch.uk](mailto:learning@wembleyprimary.brent.sch.uk)

You do not need to send in any maths learning to your teacher,  
all answers have been provided for you to self mark.

Please complete learning in your home learning book.

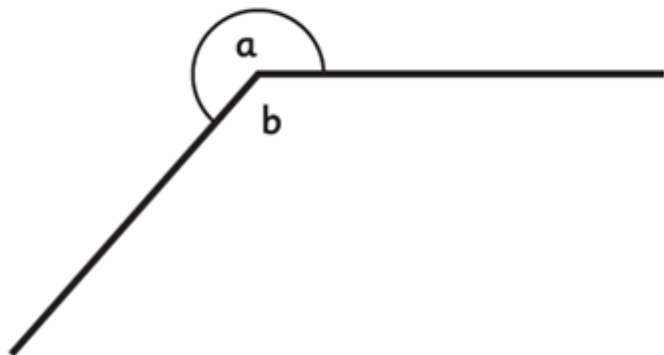
On Education City, use the learning screen called Liquid Assets  
for Day 1 and Day 2, and on Day 5 complete the two activities  
called Liquid Assets and Tank for all the Fish.

## Starter

$$\frac{1}{4} + \frac{3}{8} =$$

$$11^2 =$$

a) What is the size of angle **a** if angle **b** is  $138^\circ$ ?



Complete this table:

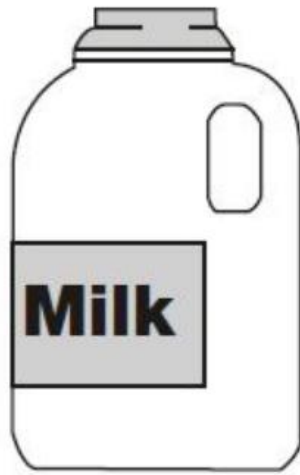
percentage	fraction	decimal
50%		
	$\frac{55}{100}$	
		0.75
65%		
	$\frac{82}{100}$	

We're going to use what we've learnt over the week to answer these problem solving questions.  
Refer back to previous days' learning if you need help.

MILD:

A bottle contains 568 millilitres of milk.

Jack pours out **half a litre**.

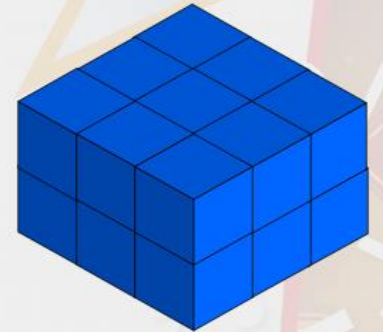


How much milk is left?

Grace is calculating the volume of her shape.



My cuboid's length is 4 cubes and its width is 2 cubes. I multiply these together to find the volume so its volume is  $8\text{cm}^3$ .



Is Grace correct? Explain your answer.

HOT:

- 1) Complete the following sentences:

\_\_\_\_\_ is the amount a container can hold.

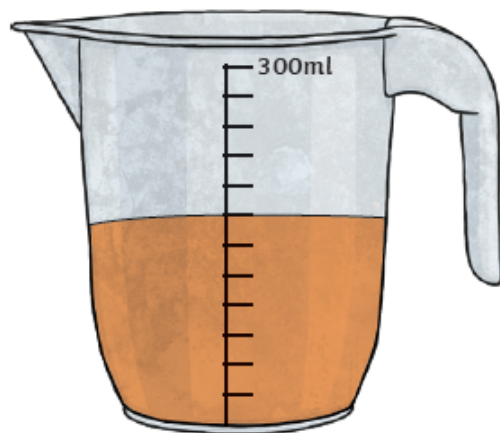


\_\_\_\_\_ is the amount of space something takes up.

- 2) The cuboids listed are made of 1cm cubes. Calculate the dimensions of each cuboid and fill in the table:

Shape	Width	Length	Height	Volume $\text{cm}^3$
A	3cm	2cm		$18\text{cm}^3$
B	4cm			$60\text{cm}^3$

- 3) Look at this container. Identify both the capacity of the container and the volume of the liquid. Remember to use the correct units:

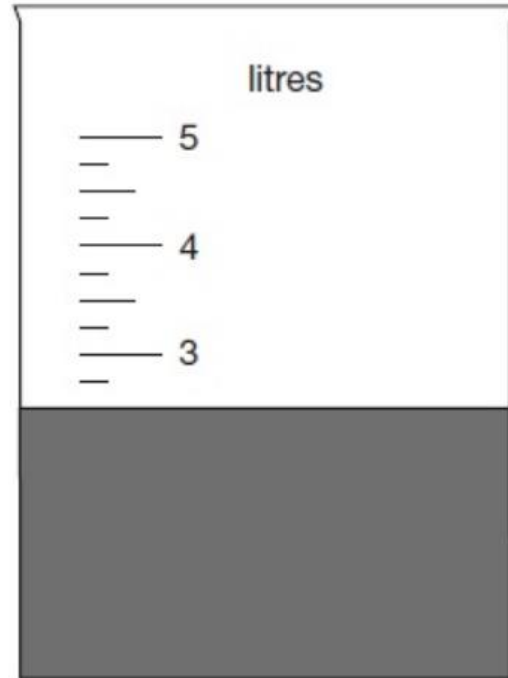


Capacity: \_\_\_\_\_

Volume: \_\_\_\_\_

**MILD:**

Jack pours some dark paint into a container.

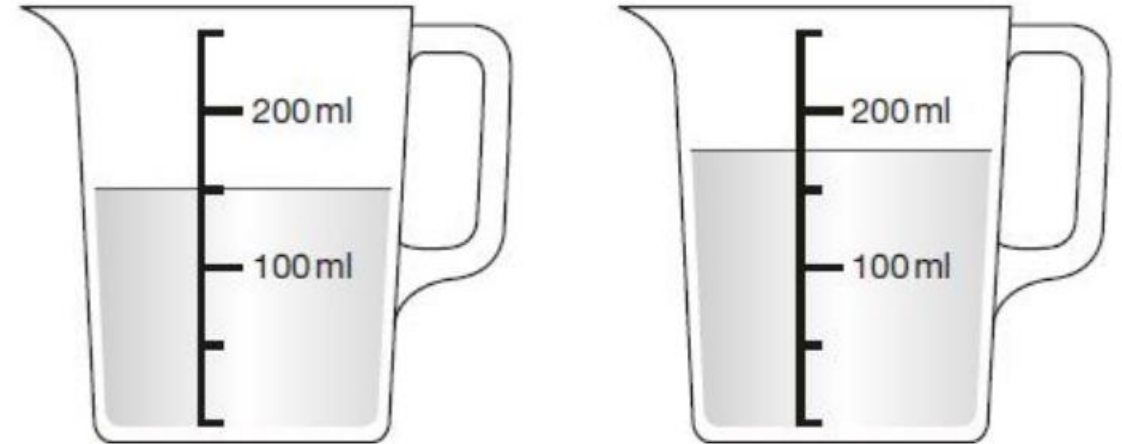


In litres, how much paint is in the container?

**HOT:**

Stefan has **600 millilitres** of water in a bottle.

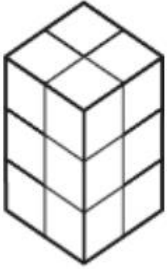
He pours some of the water into two measuring jugs as shown.



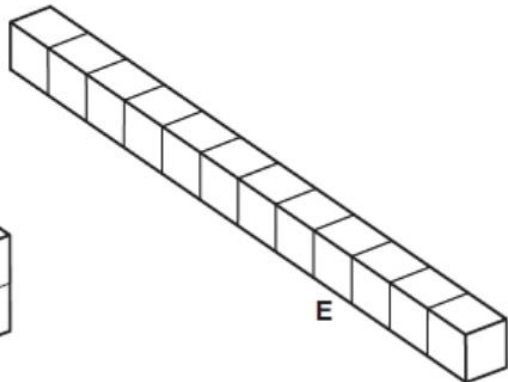
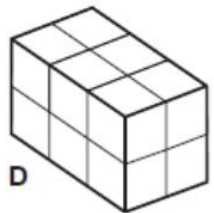
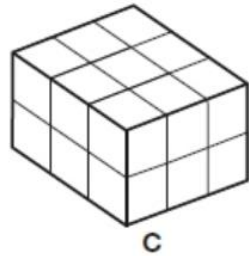
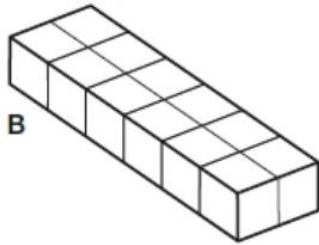
How many millilitres of water are left in Stefan's bottle?

## MILD:

Emma makes a cuboid using 12 cubes.

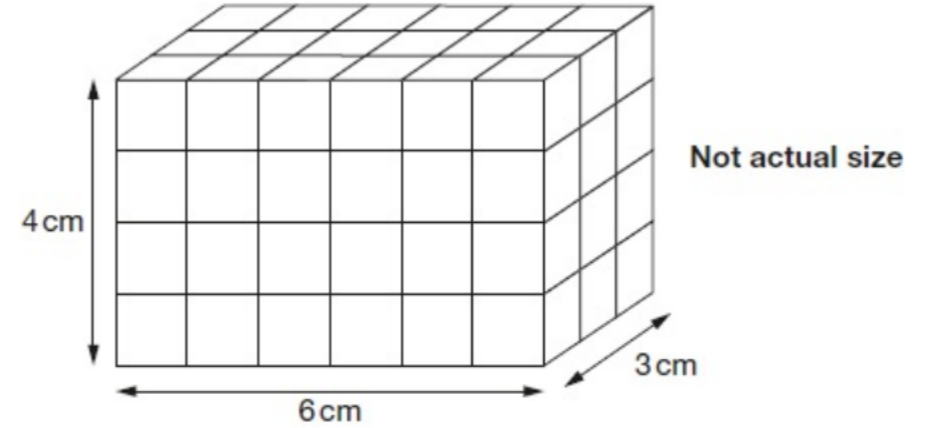


Write the letter of the cuboid that has a **different** volume from Emma's cuboid.



## HOT:

Amina made this cuboid using centimetre cubes.



Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

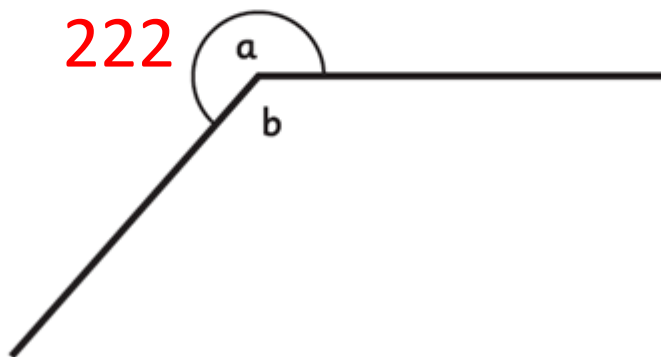
## Starter

$$\frac{1}{4} + \frac{3}{8} =$$

5/8

$$11^2 = 121$$

a) What is the size of angle **a** if angle **b** is  $138^\circ$ ?



Complete this table:

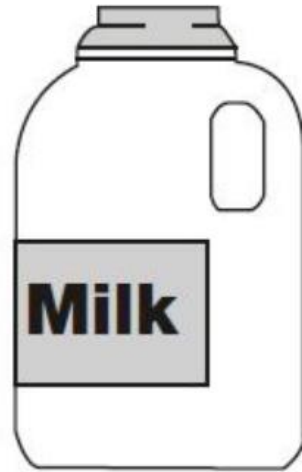
50%	<b><math>\frac{1}{2}</math> or <math>\frac{5}{10}</math></b>	<b>0.5</b>
<b>55%</b>	$\frac{55}{100}$	<b>0.55</b>
<b>75%</b>	<b><math>\frac{3}{4}</math> or <math>\frac{75}{100}</math></b>	0.75
65%	<b><math>\frac{65}{100}</math></b>	<b>0.65</b>
<b>82%</b>	$\frac{82}{100}$	<b>0.82</b>

ANSWERS:

MILD:

A bottle contains 568 millilitres of milk.

Jack pours out **half a litre**.



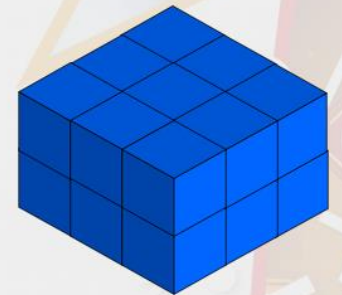
How much milk is left?

68 (ml) **OR** 0.068 (l)

Grace is calculating the volume of her shape.



My cuboid's length is 4 cubes and its width is 2 cubes. I multiply these together to find the volume so its volume is  $8\text{cm}^3$ .



Is Grace correct? Explain your answer.

**No, she is not correct because to find the volume you have to multiply by the height as well. The height is 2 cubes so  $3 \times 3 \times 2 = 18\text{cm}^3$**

## ANSWERS:

HOT:

- 1) *Capacity* is the amount a container can hold.

*Volume* is the amount of space something takes up.

2)

Shape	Width	Length	Height	Volume cm <sup>3</sup>
A	3cm	2cm	3cm	18cm <sup>3</sup>
B	4cm	5cm	3cm	60cm <sup>3</sup>

*Shape B length and height values are interchangeable.*

- 3) Look at this container. Identify both the capacity of the container and the volume of the liquid. Remember to use the correct units:

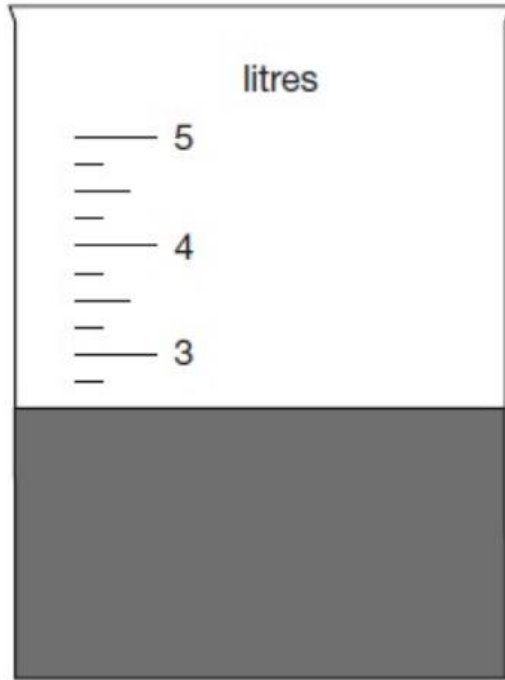
*Capacity: 300ml*

*Volume: 175ml*

## ANSWERS:

### MILD:

Jack pours some dark paint into a container.



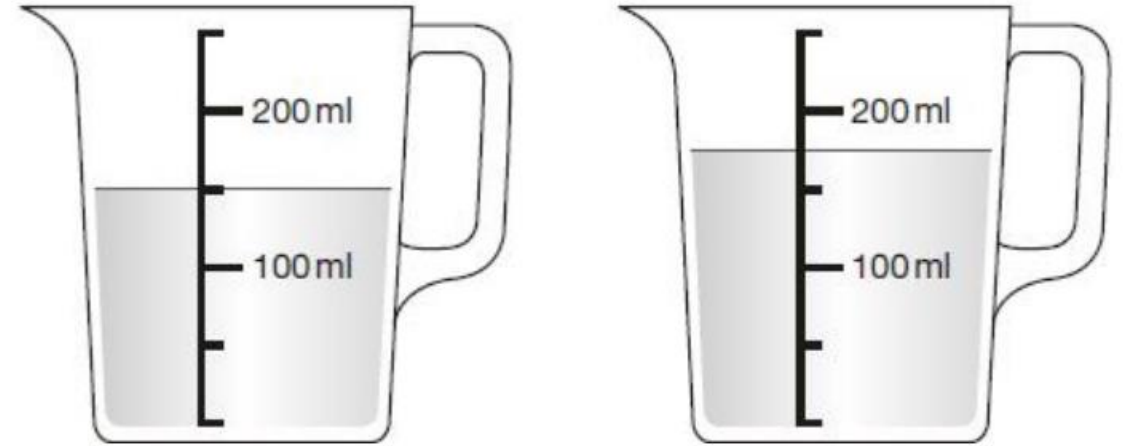
In litres, how much paint is in the container?

2.5 or  $2\frac{1}{2}$

### HOT:

Stefan has **600 millilitres** of water in a bottle.

He pours some of the water into two measuring jugs as shown.



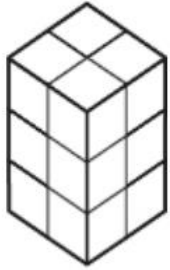
How many millilitres of water are left in Stefan's bottle?

275

## ANSWERS:

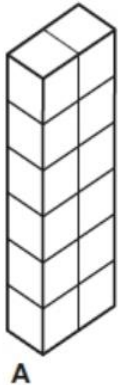
### MILD:

Emma makes a cuboid using 12 cubes.

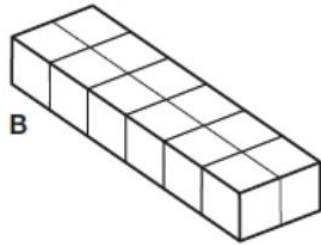


C

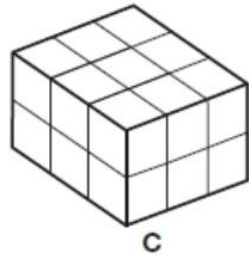
Write the letter of the cuboid that has a **different** volume from Emma's cuboid.



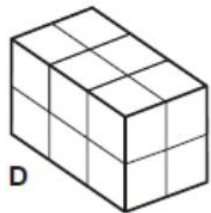
A



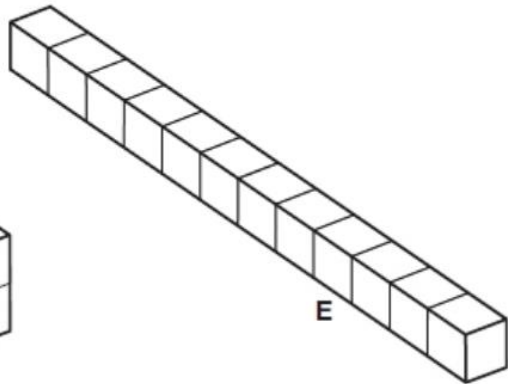
B



C



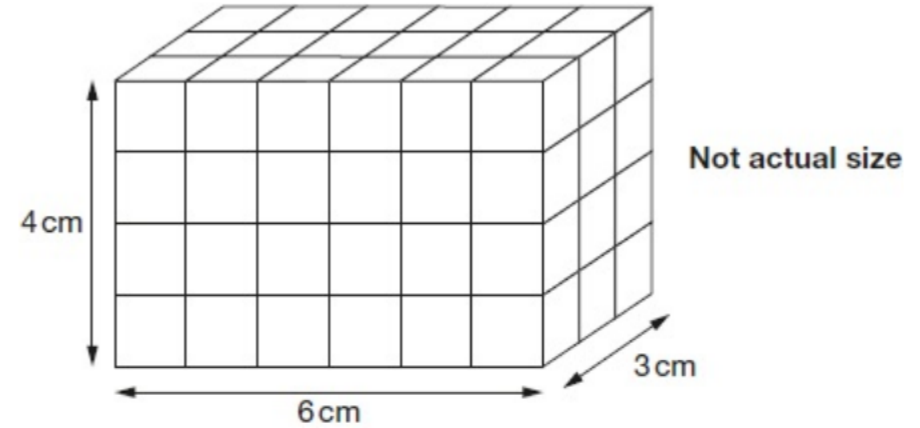
D



E

### HOT:

Amina made this cuboid using centimetre cubes.



Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

720