If you have any questions about your learning please email:
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.

Day 1

Starter

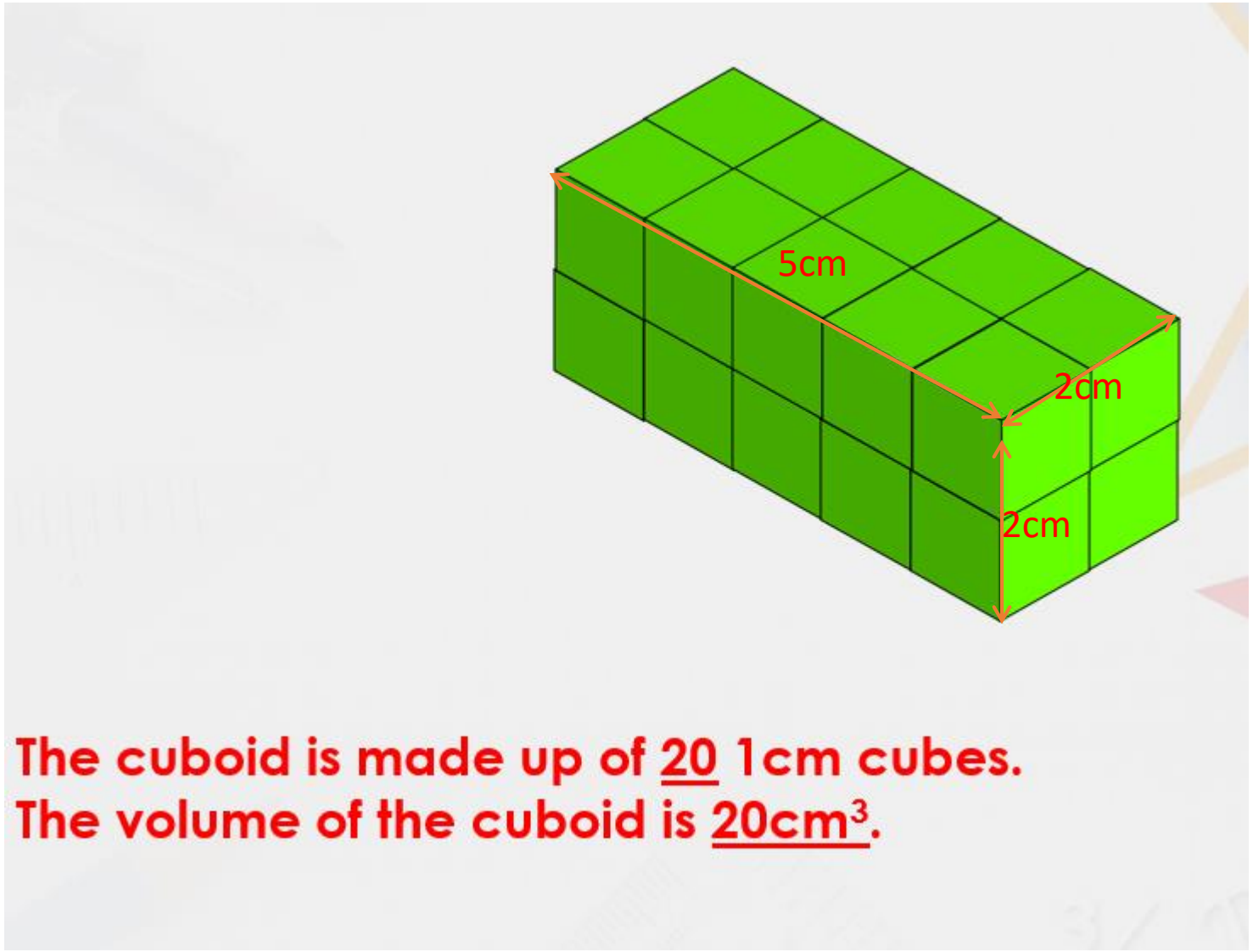
200,000 ÷ 400 =	1,832 x 45 =
0.023 x 100=	e) Round these numbers to the nearest 100 000:

524 100	
669 210	

Day 1- Volume

Volume is measured in cubed units. For example, **cm³**, **m³** and **km³**.

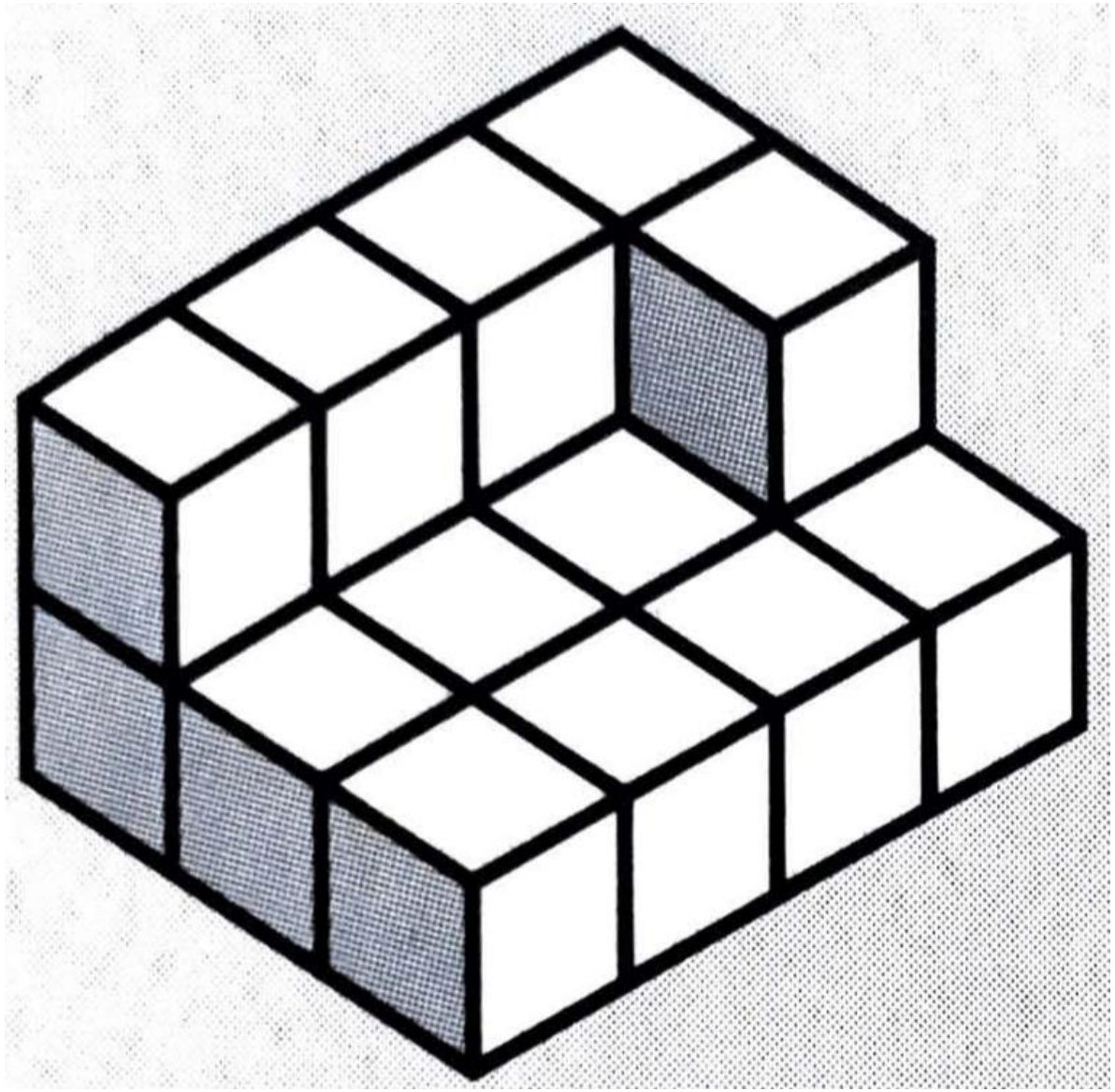
Volume is the amount of solid space something takes up. Volume is calculated by multiplying the length, width and height. L x W x H = V



The length of this shape is 2cm.
The width of this shape is 2cm.
The height of this shape is 5cm.

So my equation is 2 x 2 x 4 =

2cm x 2cm = 4cm^2
4cm x 5cm = 20cm^3

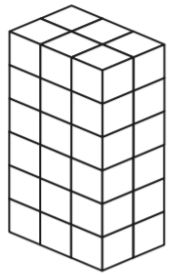


When a shape is like this, we can split it to make it easier to work out.

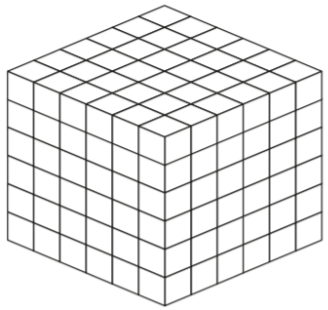
The bottom layer is 3cm x 4cm = 12 cm^2
As the top layer is incomplete, we can count these squares. There are 5 blocks, so 12 + 5 = 17.

The volume of the shape is 17 cm^3

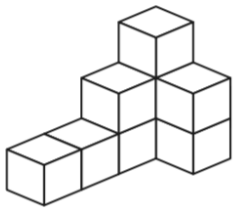
MILD:



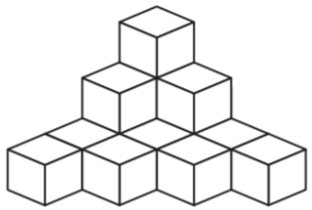
a) Volume = _____



b) Volume = _____

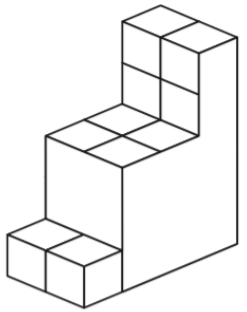


c) Volume = _____

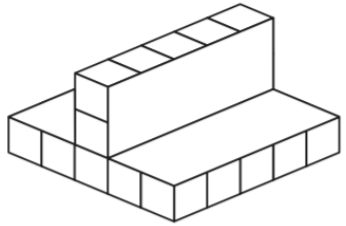


d) Volume = _____

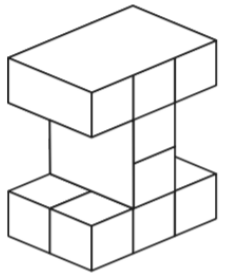
HOT:



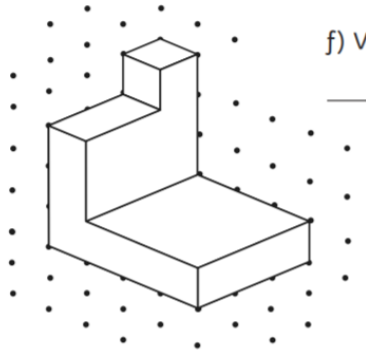
c) Volume = _____



d) Volume = _____



e) Volume = _____

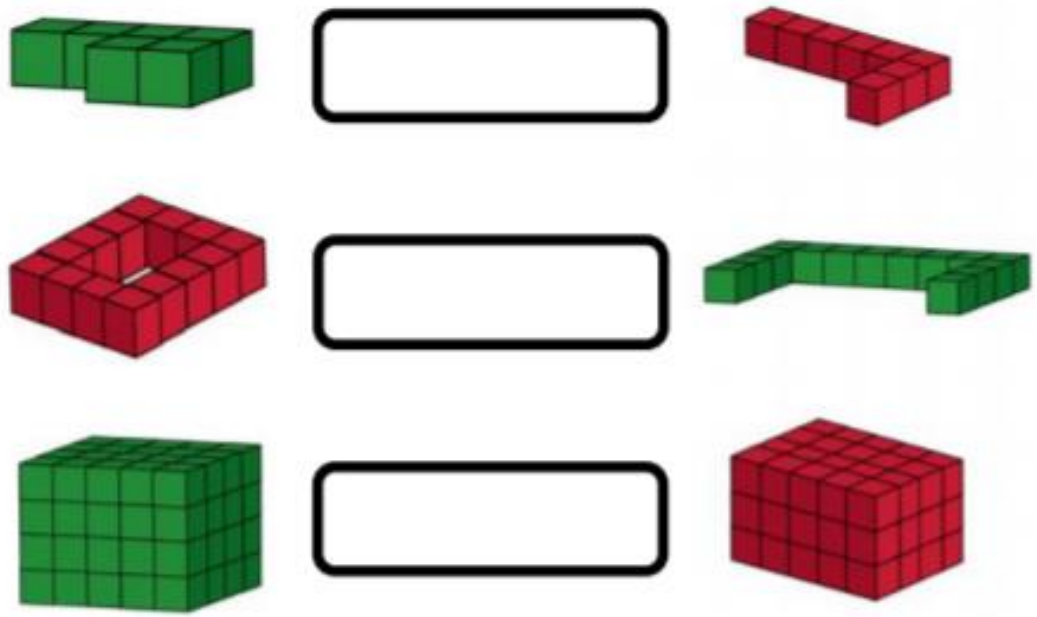


f) Volume = _____

TASK FOR ALL:

Use the greater than, less than and equal to symbols.

Count the cubes to find the volume of the shapes and use ‘greater than’, ‘less than’ or ‘equal to’ to make the statements correct.



MILD:

How many possible ways can you make a cuboid that has a volume of $12cm^3$?

Draw your shapes in your book, 1 square is equal to 1cm3.

HOT:

My shape is made up of 10 centimetre cubes.

The height and length are the same size.

What could my shape look like?

ANSWERS:

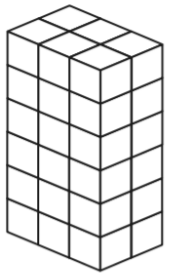
Starter

$200{,}000 \div 400 = 500$	$1{,}832 \times 45 = 82{,}440$
$0.023 \times 100 = 2.3$	e) Round these numbers to the nearest 100 000:

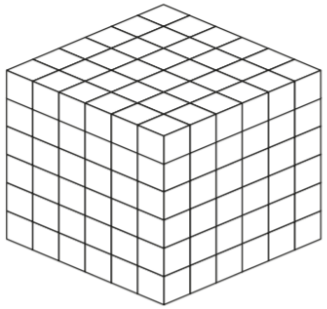
524 100	500,000
669 210	700,000

ANSWERS:

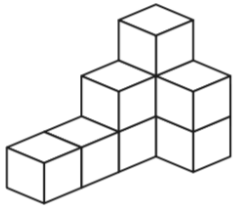
MILD:



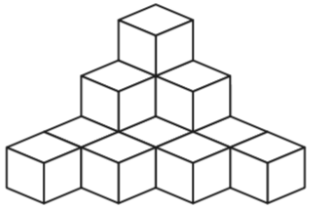
a) Volume = _____



b) Volume = _____



c) Volume = _____



d) Volume = _____

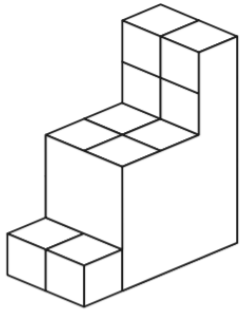
a) 36cm³

b) 216cm³

d) 14cm³

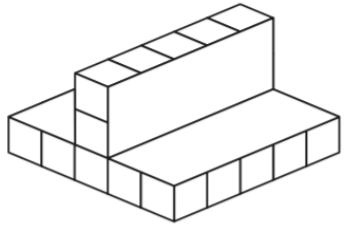
e) 9cm³

HOT:



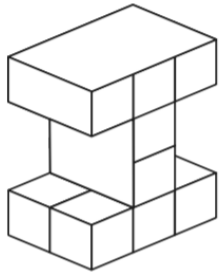
c) Volume =

c) 24cm³



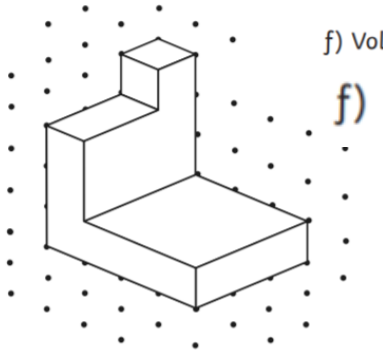
d) Volume =

d) 35cm³



e) Volume =

e) 16cm³

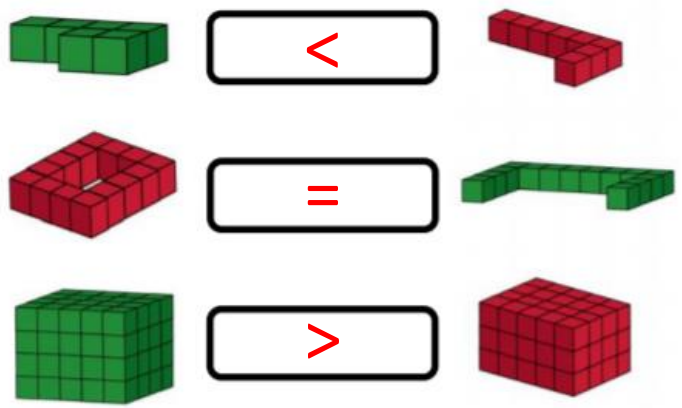


f) Volume =

f) 19cm³

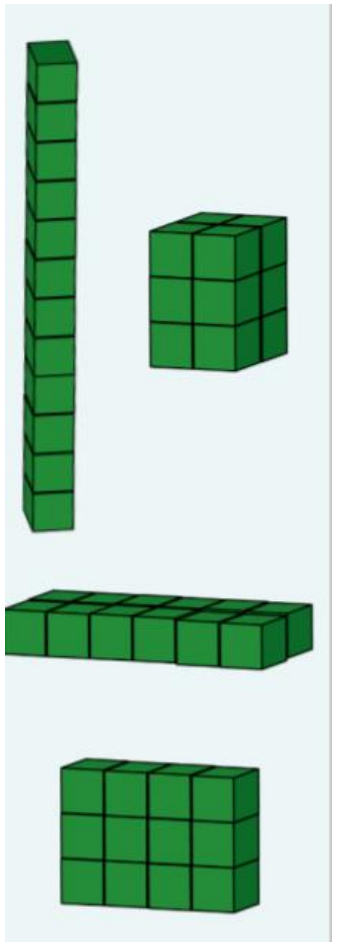
ANSWERS FOR ALL:

Count the cubes to find the volume of the shapes and use ‘greater than’, ‘less than’ or ‘equal to’ to make the statements correct.



ANSWERS:

MILD:



HOT: