

Year Five Maths Lesson 2



Fluency Starter

- Keep up your daily practice of 5 a day https://corbettmathsprimary.com/5-a-day/ and challenge yourself to Bronze, Silver, Gold or Platinum!
- Or Complete Flashback 4 for your daily starter (on the next slide).
- Log on to Doodlemaths for 15 minutes each day and try and keep in the Green Zone.
- There are also some Maths activities on Purple Mash to complete.



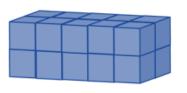
Fluency Starter

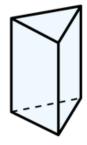
Flashback



Year 5 | Week 11 | Day 2

Each cube has a length of I cm.
What is the volume of the shape?





- 2) How many cm are the same as 6.25 m?
- 3) Complete the number sentence using <, > or = 4,752 ml 9.725 l
- 4) Convert $\frac{16}{5}$ into a mixed number.



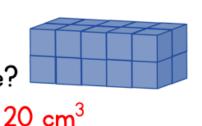


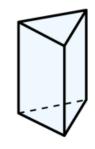
Fluency Starter Answers

Flashback 4

Year 5 | Week 11 | Day 2

Each cube has a length of I cm.
What is the volume of the shape?





2) How many cm are the same as 6.25 m?

625 cm

- 3) Complete the number sentence using <, > or = 4,752 ml > 4.725 l
- 4) Convert $\frac{16}{5}$ into a mixed number.

 $3\frac{1}{5}$





Lesson Aims

• I can compare volumes of different shapes



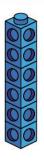
Compare volume

Whitney and Tommy have each made a shape using cubes.

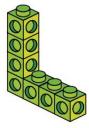
Each cube has a volume of 1 cm³







Tommy



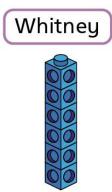
- a) What is the volume of Whitney's shape?
- b) What is the volume of Tommy's shape?

cm³

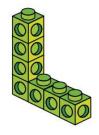




1



Tommy



c) Whitney and Tommy are comparing the volumes of their shapes.



My shape has a greater volume because it is taller.



Whitney

My shape has a greater volume because I used more cubes.

Tommy

Who do you agree with? ______Explain your answer.

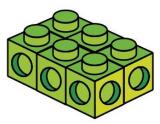




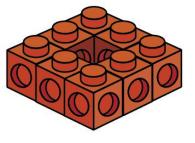
2 Each cube has a volume of 1 cm³
What is the volume of each shape?

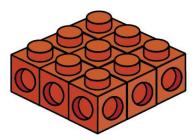
a)





b)







volume = cm^3 volume = cm^3 d)

Tick the shape with the greater volume in each pair.

 cm^3

volume =

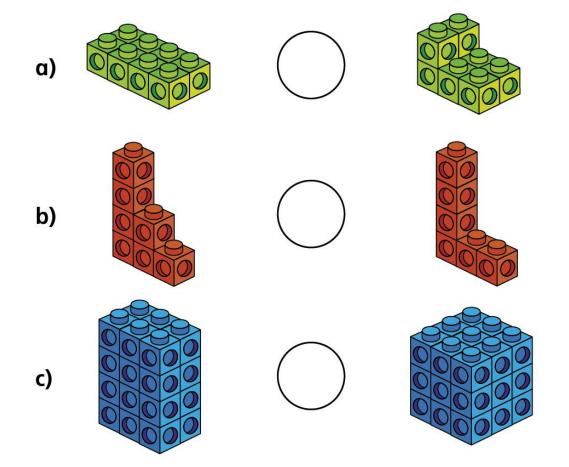
 cm^3

volume =





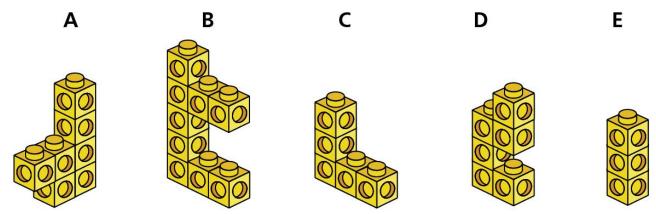




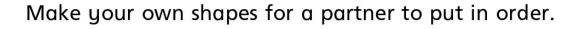


4 Here a

Here are some shapes made from cubes.







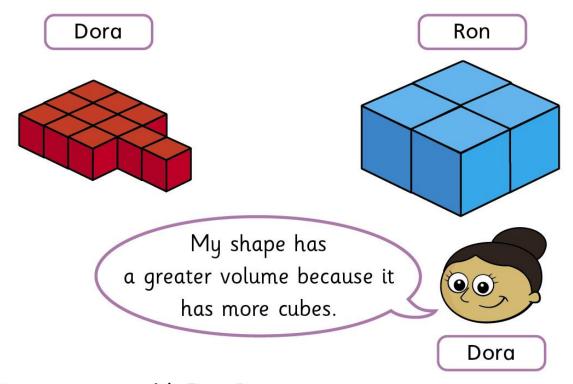








Dora and Ron have each made a shape using cubes.



Do you agree with Dora? _____ Talk about it with a partner.





6 Amir, Eva and Alex have made shapes out of centimetre cubes.

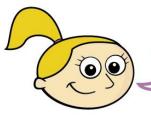




What is the volume of Amir's shape?

cm³

b)



I used 24 cubes to make my shape.

What is the volume of Eva's shape?

cm³



6 c)



The volume of my shape is greater than Amir's but less than Eva's.

What could the volume of Alex's shape be? Compare answers with a partner.





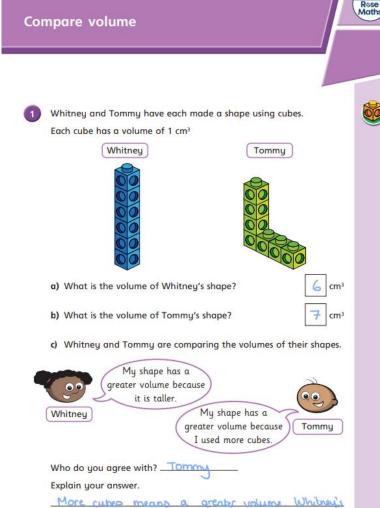


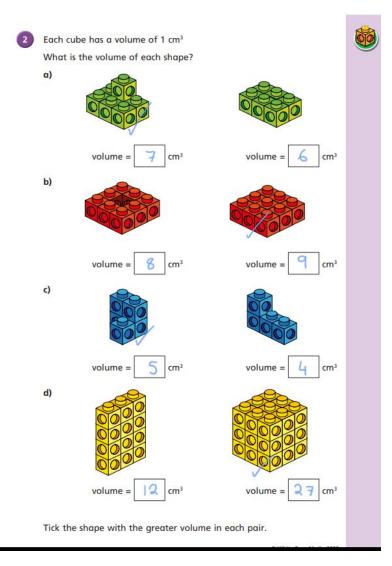
Fluency Activity

- See activity sheet Day 2
- Complete as many questions as you are able.



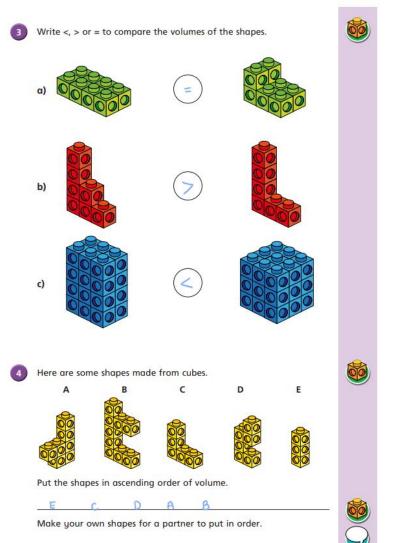
Fluency Activity Answers

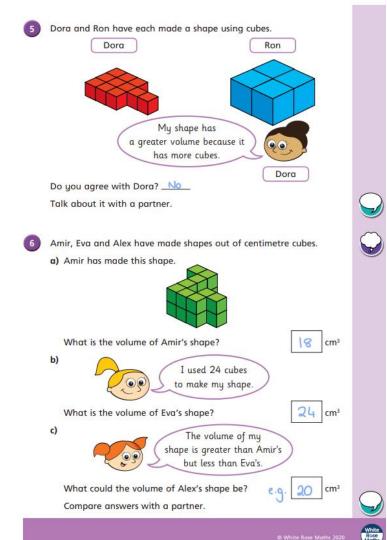






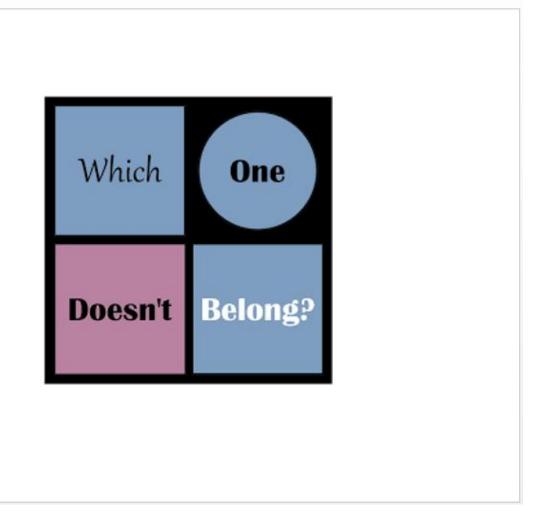
Fluency Activity Answers







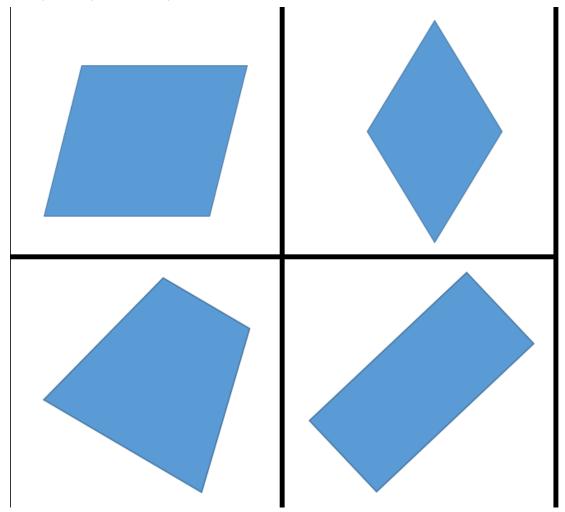
Problem Solving





Problem Solving

How many ways can you find?





Problem Solving

- How many different ways did you find?
- Can you explain your reasoning?