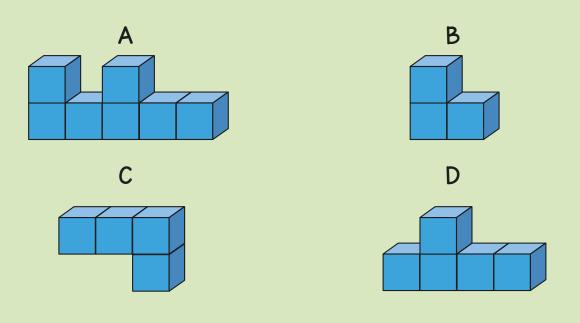
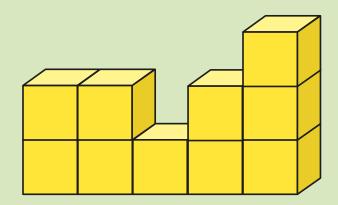


From White Rose Maths schemes for Year 5 Summer Term **BLOCK 5 - VOLUME**

Here is a jug of orange juice. 500 ml ---450 ml---400 ml---How much juice is in the jug? 350 ml---300 ml---250 ml---200 mlml 150 ml-100 ml-50 ml-Aisha drinks 90 ml of orange juice. How much juice is left in the jug? Match the items to the estimated capacities. 2 litres 250 ml 250 litres 3 Order the shapes from smallest to greatest volume.

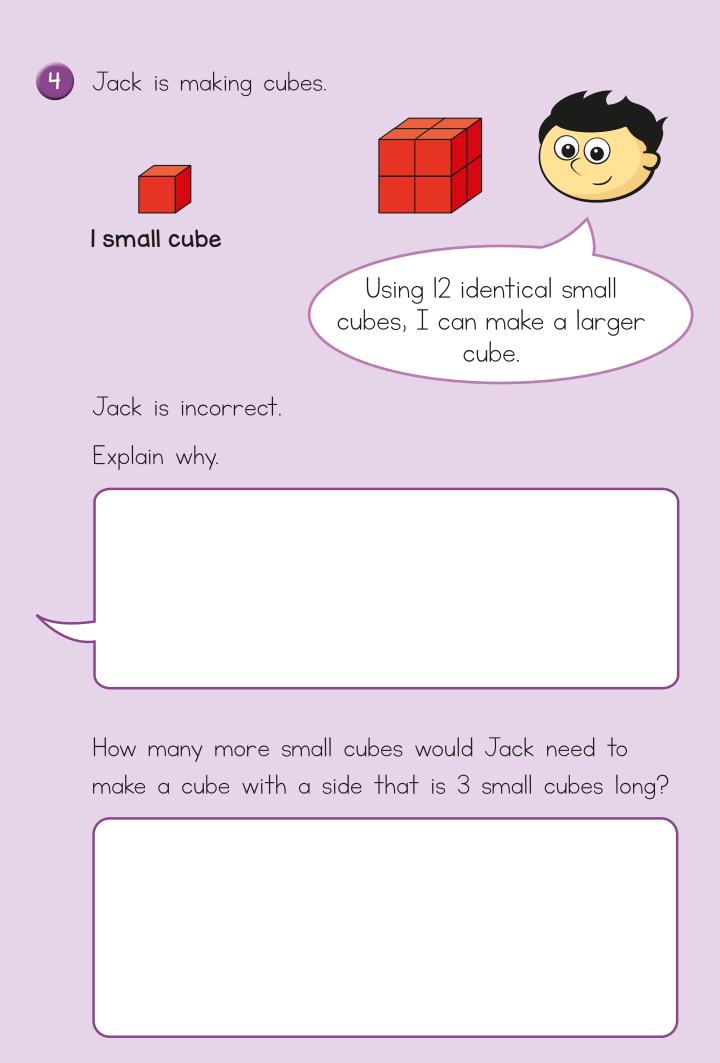


Kim makes a shape using centimetre cubes. Here is her shape.



What is the volume of her shape?





5 Annie is having a party for 7 friends.

She buys a bottle of lemonade and some glasses.

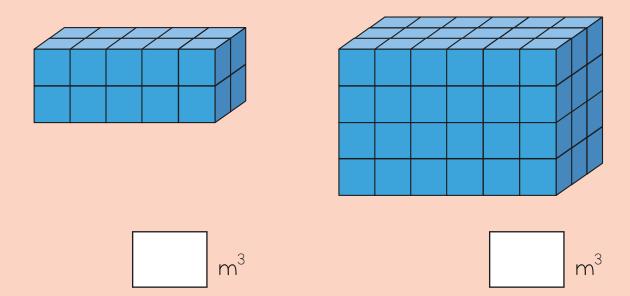


Has Annie bought enough lemonade for herself and her friends? Explain your answer.



6 Each small cube has a length of 1 m.

Work out the volumes of the cuboids.



7 Teddy makes a cuboid using an odd number of centimetre cubes.

Explain why the length of the cube cannot be 4 cm.



8 A jug contains 300 ml of water.





A cup has a capacity of 75 ml.

How many cups can be filled with the jug?

A different cup holds 60 ml.

Will there be more or fewer of these cups filled by the jug?

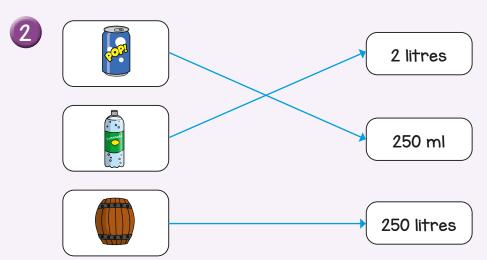


Show your workings.

Answers



150 ml



- 3 B, C, D, A 10 cm³
- If Jack added 4 more cubes to the medium cube it would make a cuboid, not a cube.

 19 more cubes
- Yes.8 full glasses of lemonade will be exactly 2 litres.
- 6 20 m³ 72 m³
- 7 If the length is 4, then there will be 64 cubes in the cuboid.
- 8 4 cups more cups, as 60 ml × 5 cups = 300 ml