Thursday

Arithmetic

1. 858,263 – 34,284

2. 3,976 ÷ 7

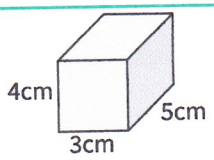
3. $\frac{3}{4} - \frac{1}{9}$

4. 6% of 610

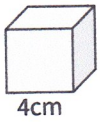
Practice: Volume and Volume of a Cube

5. Recap: Write a formula for finding the volume of a cube or cuboid.

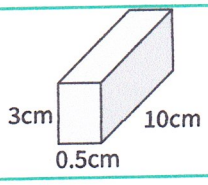
6. Calculate the area of this cuboid.



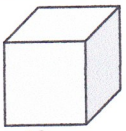
7. Calculate the area of this cube.



8. Calculate the area of this cuboid.

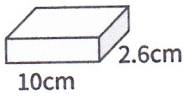


9. Calculate the area of this cube.



10. Explain the link between area and volume.

11. This cuboid has a volume of 52cm^3. What is its height?

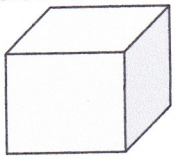


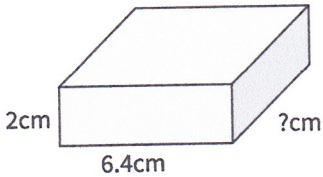
12. A cube has a volume of 8cm^3. What does one side measure?

13. Laurel is calculating the volume of a cuboid measuring 3cm x 4cm x 8cm. She says the volume is 15cm^3. Is Laurel correct? Explain.

Challenge

14. The cube and the cuboid have the same volume.





What is the missing measure?

Show how you found your answer.

You might want to talk to an adult

Spot the mistake

Thursday

Answers

Q no.	Question	Answer
1	858,263 – 34,284	823,979
2	3,976 ÷ 7	568
3	$\frac{3}{4} - \frac{1}{9}$	$\frac{23}{36}$
4	6% of 610	36.6
5	Write a formula for finding the volume of a cube or cuboid.	length x width x height
6	Calculate the area of this cuboid.	$60cm^3$
7	Calculate the area of this cube.	$64cm^3$
8	Calculate the area of this cuboid.	$15cm^3$
9	Calculate the area of this cube.	$1{,}000cm^3$
10	Explain the link between area and volume.	Area is the amount of space occupied by a 2D shape. Volume is the amount of space within a 3D shape. Area is measured in units squared and volume is measured in units cubed.
11	This cuboid has a volume of $52cm^3$. What is its height?	2cm
12	A cube has a volume of $8cm^3$. What does one side measure?	2cm
13	Is Laurel correct? Explain.	Laurel is incorrect. She has added the three measures instead of multiplying them. The correct answer is $96cm^3$.
14	The cube and the cuboid have the same volume. What is the missing measure? Show how you found your answer.	Missing measure = 5cm