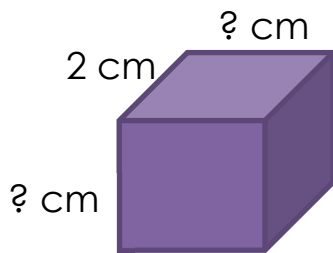


Cubes

Grade 5 Geometry Worksheet

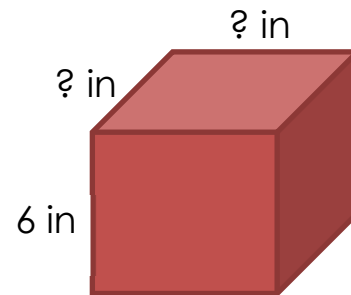
Which of these shapes are cubes?
Circle them and prove that they are a cube.

1.



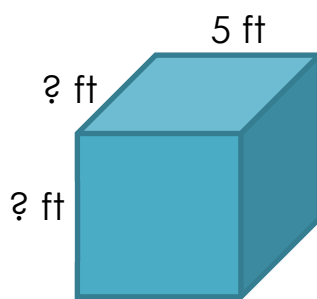
$$\text{Volume} = 8 \text{ cm}^3$$

2.



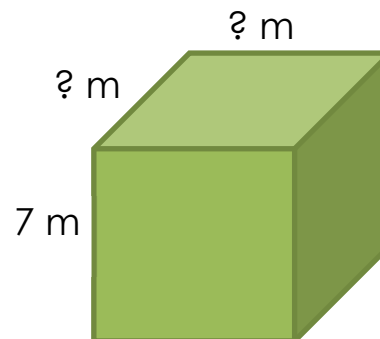
$$\text{Volume} = 60 \text{ in}^3$$

3.



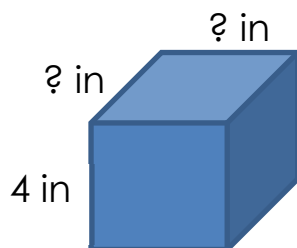
$$\text{Volume} = 125 \text{ ft}^3$$

4.



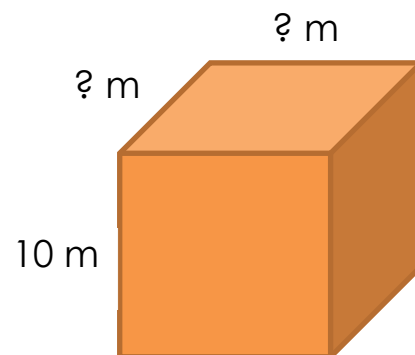
$$\text{Volume} = 343 \text{ m}^3$$

5.



$$\text{Volume} = 27 \text{ in}^3$$

6.



$$\text{Volume} = 100 \text{ m}^3$$

Answers

Numbers 1, 3, and 4 are cubes, others are not.

1. $2 \times 2 \times 2 = 8 \text{ cm}^3$

Yes, it is a cube.

2. $6 \times 6 \times 6 = 216 \text{ in}^3$

Does not equal to 60 in^3 . Not a cube.

3. $5 \times 5 \times 5 = 125 \text{ ft}^3$

Yes, it is a cube.

4. $7 \times 7 \times 7 = 343 \text{ m}^3$

Yes, it is a cube.

5. $4 \times 4 \times 4 = 64 \text{ in}^3$

Does not equal to 27 in^3 . Not a cube.

6. $10 \times 10 \times 10 = 1000 \text{ m}^3$

Does not equal to 100 m^3 . Not a cube.