

All Volume

Name _____

Estimate capacity with sensible units.

Page 1 of 2

- 1** Estimate the capacity of a wheelie bin. Which is the most sensible?

Circle the answer.

2400 litres

24 litres

240 litres

- 2** Which of these holds about 10 litres?
Circle the answer.

a kitchen bucket

a medicine spoon

a water bottle

- 3** Estimate the capacity of an egg cup. Which is the most sensible?

Circle the answer.

50 ml

500 ml

5 ml

- 4** Estimate the capacity of a carton of milk. Which is the most sensible?

Circle the answer.

100 ml

1 litre

10 litres

- 5** Which of these holds about 330 ml?

Circle the answer.

a can of drink

a carton of milk

a wheelie bin

- 6** Estimate the capacity of a fish tank. Which is the most sensible?

Circle the answer.

600 litres

6 litres

60 litres

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Most Volume

Name _____

Know which solids have volume length $\times$ width $\times$ height.

Page 1 of 2

- 1** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cuboid

Triangular prism

Square-based pyramid

Cone

Cube

- 2** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cuboid

Square-based pyramid

Sphere

Triangular prism

Cylinder

- 3** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Square-based pyramid

Cube

Cylinder

Cuboid

Triangular prism

- 4** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Sphere

Square-based pyramid

Cone

Cylinder

Cuboid

- 5** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cone

Triangular prism

Sphere

Cuboid

Cylinder

- 6** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Sphere

Cube

Cuboid

Cylinder

Square-based pyramid

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Most Volume (continued)

Know which solids have volume length $\times$ width $\times$ height.

Page 2 of 2

- 7** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cuboid Triangular prism

Square-based pyramid Cone

Sphere

- 8** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Sphere Cube

Triangular prism

Square-based pyramid Cuboid

- 9** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Sphere Cube Cylinder

Cuboid Triangular prism

- 10** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cube Cone Cuboid Sphere

Square-based pyramid

- 11** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Sphere Square-based pyramid

Triangular prism Cube Cone

- 12** Circle every solid whose volume you can work out as length $\times$ width $\times$ height.

Circle each one.

Cone Cylinder Cuboid

Cube Triangular prism

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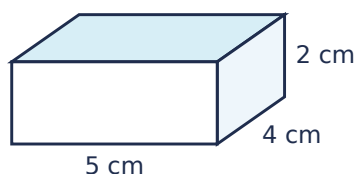
Some Volume

Name _____

Page 1 of 2

Work out the volume of a cuboid.

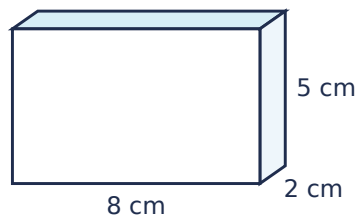
1 Work out the volume of this cuboid.



Not to scale

cm³

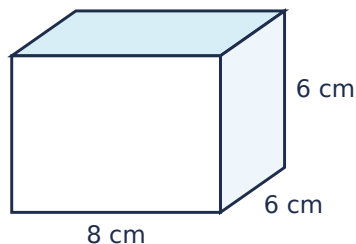
2 Work out the volume of this cuboid.



Not to scale

cm³

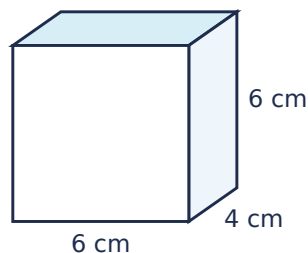
3 Work out the volume of this cuboid.



Not to scale

cm³

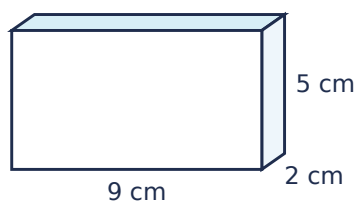
4 Work out the volume of this cuboid.



Not to scale

cm³

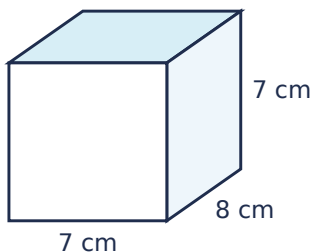
5 Work out the volume of this cuboid.



Not to scale

cm³

6 Work out the volume of this cuboid.



Not to scale

cm³

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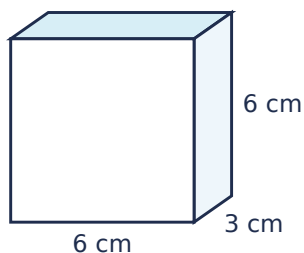
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Some Volume (continued)

Work out the volume of a cuboid.

Page 2 of 2

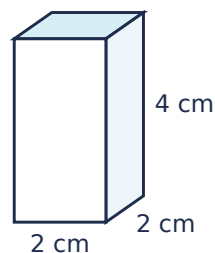
7 Work out the volume of this cuboid.



Not to scale

cm³

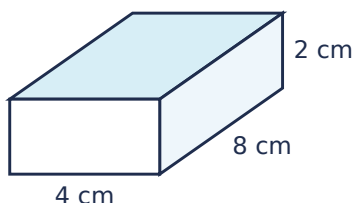
8 Work out the volume of this cuboid.



Not to scale

cm³

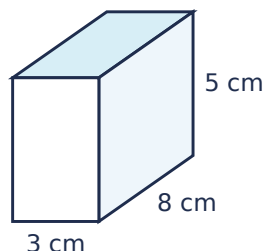
9 Work out the volume of this cuboid.



Not to scale

cm³

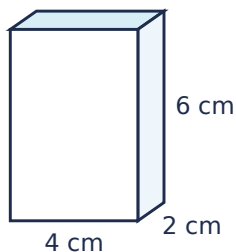
10 Work out the volume of this cuboid.



Not to scale

cm³

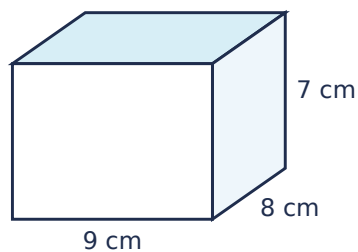
11 Work out the volume of this cuboid.



Not to scale

cm³

12 Work out the volume of this cuboid.



Not to scale

cm³

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Volume: answers

All Estimate capacity with sensible units.

- | | |
|-------------------------|----------------------------|
| 1 240 litres | 2 a kitchen bucket |
| 3 50 ml | 4 1 litre |
| 5 a can of drink | 6 60 litres |
| 7 1.5 litres | 8 5 ml |
| 9 250 ml | 10 150 litres |
| 11 200 litres | 12 a large saucepan |

Most Know which solids have volume length × width × height.

- | | |
|-----------------------|------------------------|
| 1 Cuboid, Cube | 2 Cuboid |
| 3 Cube, Cuboid | 4 Cuboid |
| 5 Cuboid | 6 Cube, Cuboid |
| 7 Cuboid | 8 Cube, Cuboid |
| 9 Cube, Cuboid | 10 Cube, Cuboid |
| 11 Cube | 12 Cuboid, Cube |

Some Work out the volume of a cuboid.

- | | |
|--|---|
| 1 40 cm ³ $5 \times 4 \times 2 = 40$ | 2 80 cm ³ $8 \times 2 \times 5 = 80$ |
| 3 288 cm ³ $8 \times 6 \times 6 = 288$ | 4 144 cm ³ $6 \times 4 \times 6 = 144$ |
| 5 90 cm ³ $9 \times 2 \times 5 = 90$ | 6 392 cm ³ $7 \times 8 \times 7 = 392$ |
| 7 108 cm ³ $6 \times 3 \times 6 = 108$ | 8 16 cm ³ $2 \times 2 \times 4 = 16$ |
| 9 64 cm ³ $4 \times 8 \times 2 = 64$ | 10 120 cm ³ $3 \times 8 \times 5 = 120$ |
| 11 48 cm ³ $4 \times 2 \times 6 = 48$ | 12 504 cm ³ $9 \times 8 \times 7 = 504$ |

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