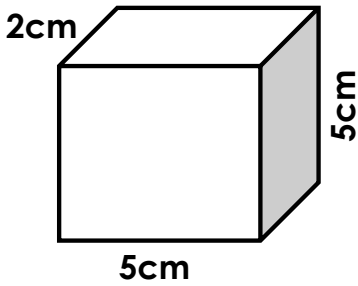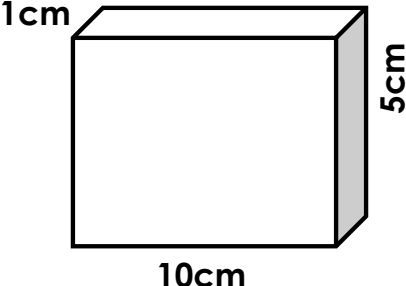# Volume of a Cuboid

1. Circle the odd one out.
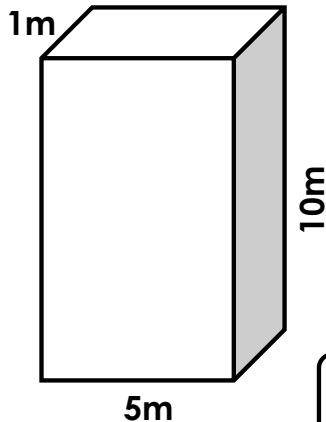
A.

2cm
5cm
5cm

B.

1cm
5cm
10cm

C.

3cm
3cm
5cm
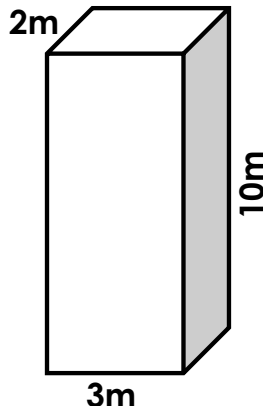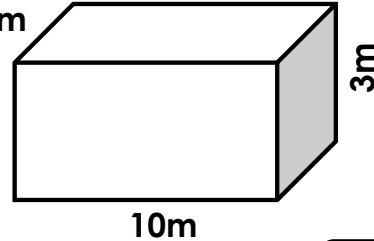
not to scale

2. Tick the cuboids which have a volume greater than 50m³.

A.

1m
10m
5m

B.

2m
10m
3m

C.

3m
3m
10m
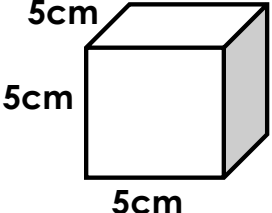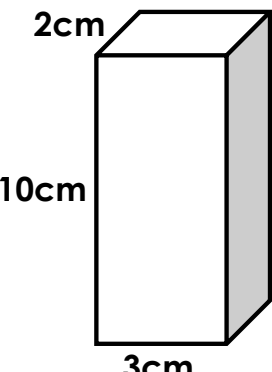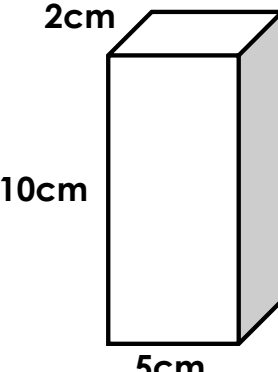
not to scale

3. One pair of shapes would not make a compound 3D shape with volume < 200cm³?

A.

5cm
5cm
5cm

B.

2cm
10cm
3cm

C.

2cm
10cm
5cm

☐ and ☐

Which pair of shapes is it?

not to scale

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Homework/Extension – Volume of a Cuboid – Year 6 Developing
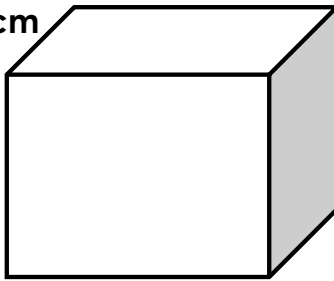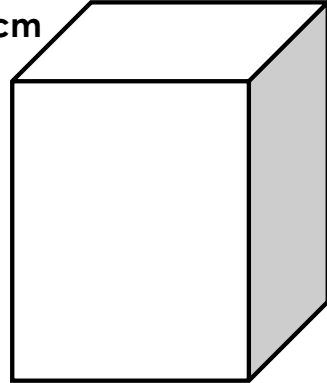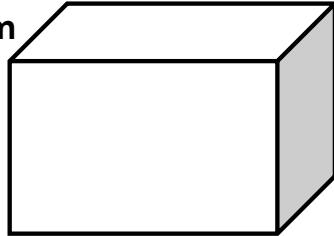
Volume of a Cuboid

4. Circle the odd one out.

A.

3cm
6cm
70mm

B.

2cm
9cm
7cm

C.

4cm
4cm
8cm

E

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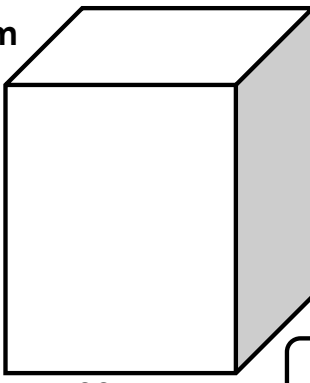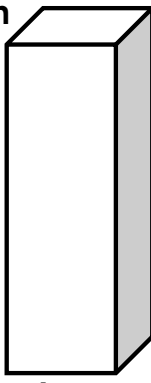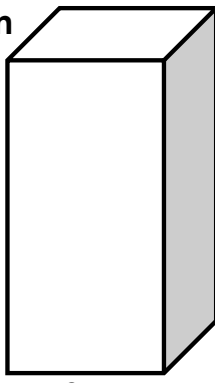
5. Tick the cuboids which have a volume greater than 100m³.

A.

4m
5m
500cm

B.

3m
9m
4m

C.

3m
13m
3m

E

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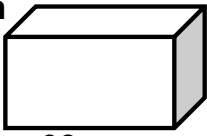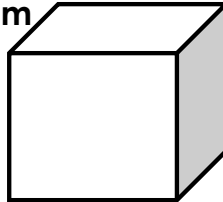
6. Three pairs of shapes make a compound 3D shape with a volume < 200cm³.

A. 1m
2cm
0.12m

B. 3cm
4cm
90mm

C.
60mm
11cm
13cm

D.
4cm
4cm
4cm

☐ and ☐

☐ and ☐

☐ and ☐

Which pairs of shapes are they?

E

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Homework/Extension – Volume of a Cuboid – Year 6 Expected
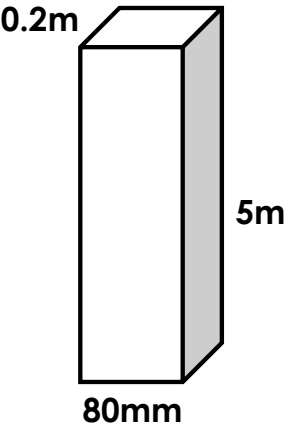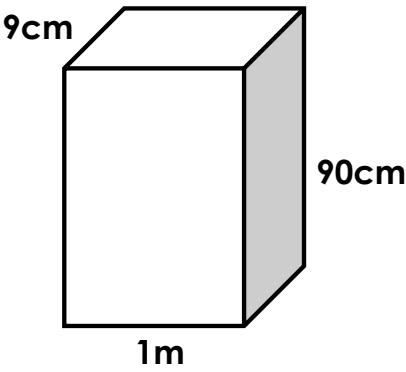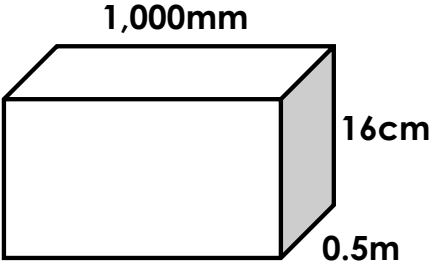
Volume of a Cuboid

7. Circle the odd one out.

A. 0.2m, 5m, 80mm

B. 9cm, 90cm, 1m

C. 1,000mm, 16cm, 0.5m

not to scale

VF
HW/Ext

8. Tick the cuboids which have a volume greater than 121cm³.

A. 45mm, 3cm, 9cm

B. 3.5cm, 80mm, 0.05m

C. 20mm, 110mm, 0.055m

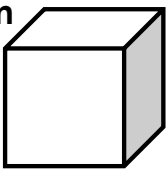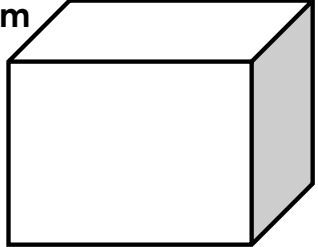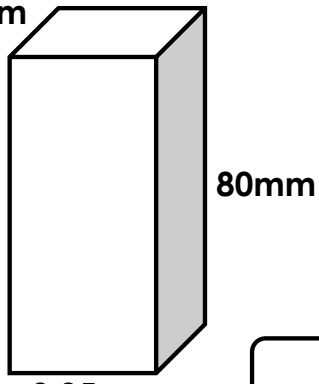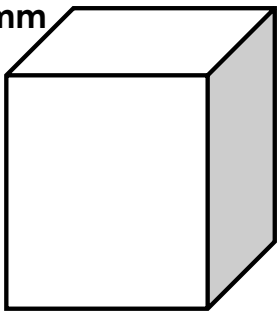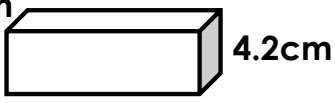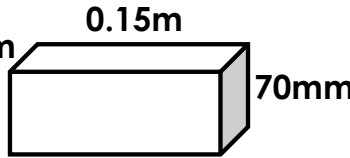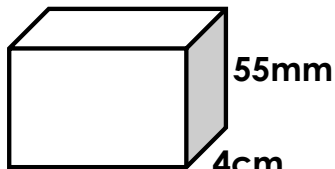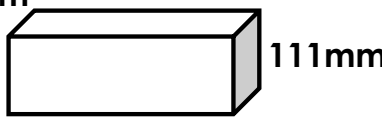*not to scale*

VF
HW/Ext

9. Three pairs of shapes make a compound 3D shape with a volume < 720cm³.

A. 6cm, 4.2cm, 0.14m

B. 5.3cm, 0.15m, 70mm

C. 55mm, 4cm, 0.16m

D. 8cm, 111mm, 0.2m

☐ and ☐

☐ and ☐

☐ and ☐

Which pairs of shapes are they?

not to scale

RPS
HW/Ext

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Homework/Extension – Volume of a Cuboid – Year 6 Greater Depth

Homework/Extension
Volume of a Cuboid

Developing

1. C is the odd one out. A and B both have a volume of 50cm^3. The volume of C is 45cm^3.
2. B and C should be ticked.
3. A and C

Expected

4. C is the odd one out. A and B both have a volume of 126cm^3; the volume of C is 128cm^3.
5. B and C should be ticked.
6. A and B; A and D; B and D

Greater Depth

7. B. is the odd one out. A and C both have a volume of 80,000cm^3. The volume of shape B is 81,000cm^3.
8. A and B should be ticked.
9. A and C; A and D; C and D