

- 1 (a) Volume of shape is 8 cm^3
Least number of cubes to make a cuboid is 4
Volume of cuboid is 12 cm^3
- (b) Volume of shape is 19 cm^3
Least number of cubes to make a cuboid is 5
Volume of cuboid is 24 cm^3
- (c) Volume of shape is 14 cm^3
Least number of cubes to make a cuboid is 4
Volume of cuboid is 18 cm^3
- (d) Volume of shape is 27 cm^3
Least number of cubes to make a cuboid is 9
Volume of cuboid is 36 cm^3
- (e) Volume of shape is 21 cm^3
Least number of cubes to make a cuboid is 9
Volume of cuboid is 30 cm^3
- (f) Volume of shape is 18 cm^3
Least number of cubes to make a cuboid is 9
Volume of cuboid is 27 cm^3

2 Practical work

- 3 Cuboids with volume of 20 cm^3 eg. $1 \times 1 \times 20$; $1 \times 2 \times 10$; $1 \times 4 \times 5$; $2 \times 2 \times 5$

- 1 (a) 4.8 km (b) 16 km (c) 11.2 km
- 2 (a) Birdley is 6.4 km, Chumley is 6 km, so Birdley
(b) Trongate is 8 km, Winton is 9 km, so Winton
- 3 (a) 1140 ml (b) 2850 ml
- 4 3 pints is 1710 ml, $1\frac{3}{4}$ litres is 1750 ml, so $1\frac{3}{4}$ litres has greater volume
- 5 8 gallons is 40 litres, so the car has the smaller capacity