

1

$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$

The mass is divided by 2 and the volume is multiplied by 4

What happens to the density?

Circle your answer.

[1 mark] $\times 2$ $\div 2$ $\times 8$ $\div 8$

- 2 A solid has volume 300 cm^3 and density 2 g/cm^3

Circle the mass of the solid.

[1 mark]

150 g

298 g

302 g

600 g

A solid statue has volume 512 cm^3
The statue has mass 3.6 kilograms.

density of iron = 7.87 grams per cubic centimetre

You **must** show your working.

[illegible]