

**M1.**  $9.5 \div 2 (= 4.75)$

or  $19 \times 2 (= 38)$

or  $9.5 \div 19 (= 0.5)$

**M1**

$57 \div 3 (= 19)$

or  $19 \times 3 (= 57)$

or  $57 \div 19 (= 3)$

**M1**

$76 \div 4 (= 19)$

or  $19 \times 4 (= 76)$

or  $76 \div 19 (= 4)$

**M1**

A with full verification

*eg A and 4.75 (19 and 19) Checking density*

*or A and 38 (57 and 76) Checking masses*

*or A and 0.5 (3 and 4) Checking volumes*

**A1**

**[4]**

**M2.(a)**  $10 \times 10 \times 4$  or 400

**M1**

their  $400 \times 25$  or 10 000

**M1**

$$\frac{4}{3} \times \pi \times 6^3 \text{ or } 904.(7\dots) \text{ or } 905$$

oe

M1

their  $10\,000 \div$  their  $\frac{4}{3} \times \pi \times 6^3$

*Must have come from use of volume of a sphere formula*

M1

11.0(5...)

A1

11

*ft any correctly rounded down number*

B1 ft

- (b)  $500 \div$  their  $10 \times 10 \times 4$   
or  $500 \div$  their 400

*ft their  $10 \times 10 \times 4$  from (a)*

M1

1.25

oe  $\frac{5}{4}$

A1

[8]