

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 400×25 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]