

M1.

[8.4, 8.8] ($\times 2.5$)

M1

[21, 22]

SC1 Any given length in cm correctly multiplied by 2.5

A1

[2]

M2.(a) 7.5 (cm)

[7.4, 7.6]

B1

their 7.5×25

their 7.5 must be ≤ 11

M1

[185, 190]

ft their 7.5 cm

A1ft

(b) Correct bearing seen or implied

Line or point

M1

Point marked

2 mm tolerance

A1

[5]

M3.[7.7, 7.9]

B1

their 7.8×50

M1

[385, 395]

A1ft

Additional Guidance

7 cm = 350 km is B0 M1 A1ft

[3]

M4.(a) Vertical line with

height [6.9, 7.1] cm marked

Point marked [2.4, 2.6] cm on base line from RHS (or from base of wall)

Correct ladder drawn

B1 for first or second criterion met

B2

(b) [7.2, 7.7]

ft with a tolerance of ± 2.5 mm (0.25 cm)

B1ft

[3]

M5.(a) $20\,000 \div 100$

M1

200

A1

(b) 5.5 seen

B1

their 5.5×4

Do not accept 6×4

or their min $\times 4$

$5.5 < \text{min} < 6$

M1

22

SC2 for 26

A1ft

[5]

M6.(a) 250 000 \div 100 or 2500

or 250 000 \div 1000 or 250

100 \times 1000 or 100 000

M1

250 000 \div 100 \div 1000

250 000 \div their 100 000

M1dep

2.5

A1

(b) 5.5 seen

B1

5.5×4

Do not accept 6×4

or their min $\times 4$

$5.5 < \text{min} < 6$

M1

22

SC2 for 26

A1ft

[6]

M7.8 × 500 000 or 4 000 000

1 km = 1000 m **and** 1 m = 100 cm seen
 or 1 km = 100 000 cm seen or implied

M1

8 × 500 000 ÷ 100 oe

or 8 × 500 000 ÷ 1000

or 8 × 500 000 ÷ 100 000

M1dep

40

A1

Alternative method

or 500 000 ÷ 1000 or 500

1 km = 1000 m **and** 1 m = 100 cm seen

or 500 000 ÷ 100 or 5000

or 1 km = 100 000 cm seen or implied

or 8 ÷ 100 or 0.08

or 8 ÷ 1000 or 0.008

M1

or 500 000 ÷ 100 000 or 5

or 500 000 ÷ 1000 × 8 or 4000

or $500\,000 \div 100 \times 8$ or $40\,000$

or $500\,000 \div 100 \div 1000$

or $8 \div 100\,000$ or $0.000\,08$

M1dep

40

A1

[3]