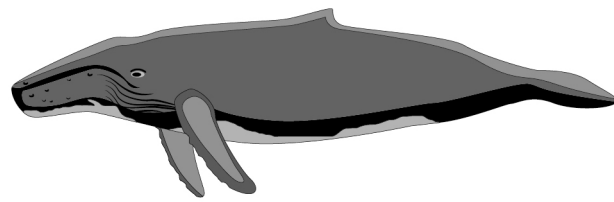


- 1 A dolphin and a whale are drawn to scale.



2 cm

Dolphin



8 cm

Whale

The actual length of the dolphin is 3 metres.

Estimate the actual length of the whale.

You **must** show your working.

[2 marks]

$$3 \text{ metre} \times \frac{8 \text{ cm}}{2 \text{ cm}} = 12 \text{ metres}$$

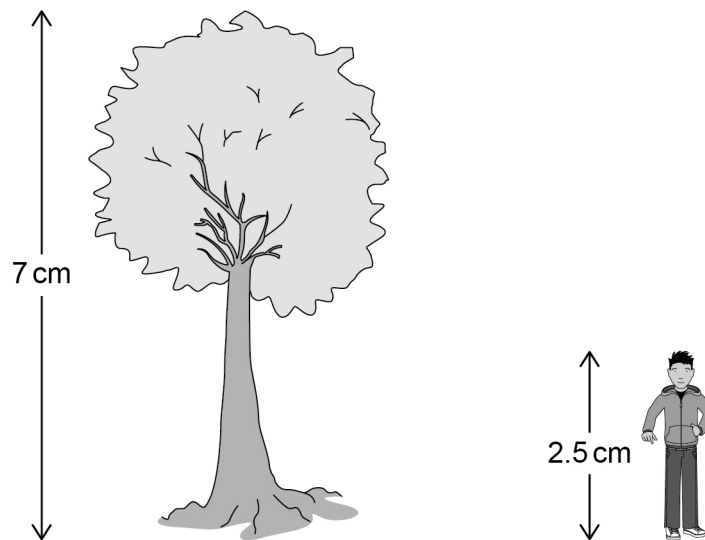
①

①

Answer 12 metres

2

The scale drawing shows a tree and a student.



The actual height of the tree is 4.2 metres.

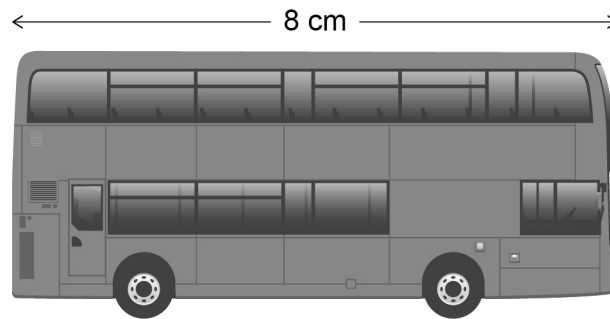
Work out the actual height of the student.

[3 marks]

$$\frac{2.5}{7} \times 4.2 = 1.5$$

Answer 1.5 m

- 3 This scale drawing of a bus has length 8 cm



Scale 1 cm represents 1.65 m

The actual length of the bus is 3.8 times the actual length of a car.

Work out the actual length of the car.

Give your answer in metres, to the nearest centimetre.

[3 marks]

$$\text{Bus actual length : } 8 \times 1.65 = 13.2 \text{ m} \quad (1)$$

$$\text{Car actual length : } \frac{13.2 \text{ m}}{3.8} = 3.47 \text{ m} \quad (1) \quad (1)$$

Answer 3.47 metres