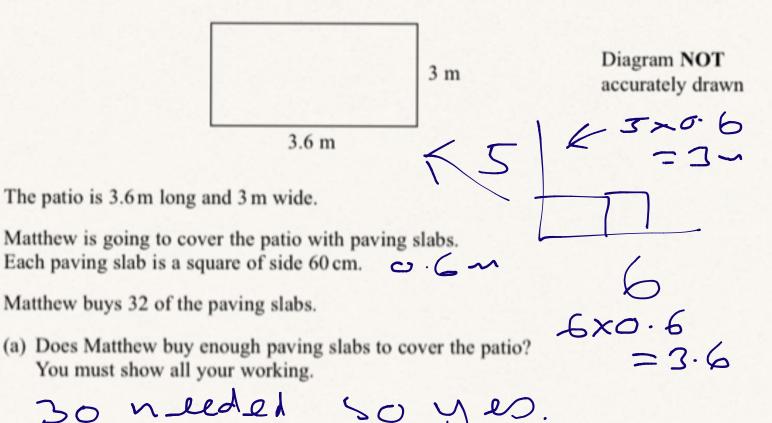
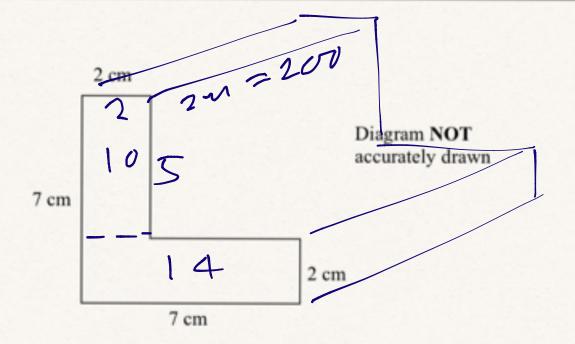
The diagram shows a patio in the shape of a rectangle.





The diagram shows the cross-section of a solid prism.

The length of the prism is 2 m.

The prism is made from metal.

The density of the metal is 8 grams per cm³.

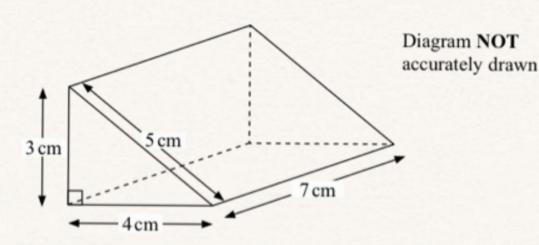
Work out the mass of the prism.

$$V = 24 \times 200$$

$$= 4800 cm3$$

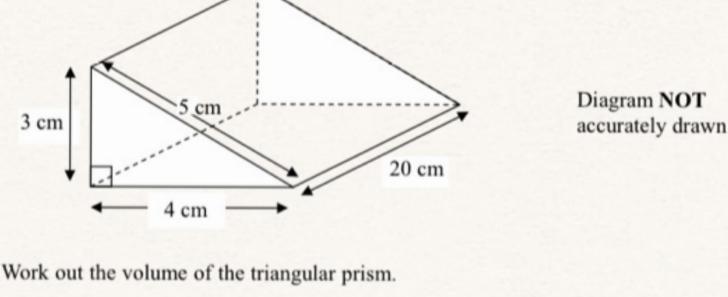
$$4800 \times 8$$

= 38 4009



Work out the total surface area of the triangular prism. Give the units with your answer.

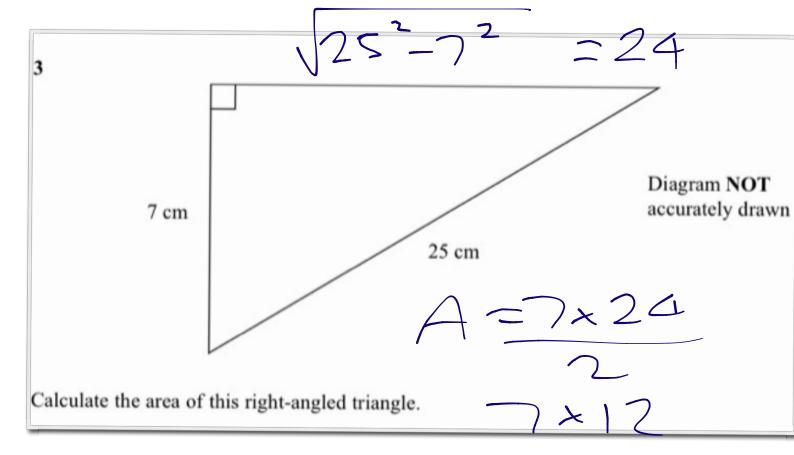
 $7 \times 4 = 28$ 84 + 12 = 96 $7 \times 5 = 37$



$$V = (\frac{1}{2} \times 3 \times 4) \times 20$$

 $6 \times 20 = 120 \text{ cm}^3$

Diagram NO 120 accurately dra 8 cm 2 (viargh) 10 cm 15 cm C20 Work out the total surface area of the triangular prism. 2×1/2 28×15=120 $(10\times15)+(8\times10)+(10\times17)$



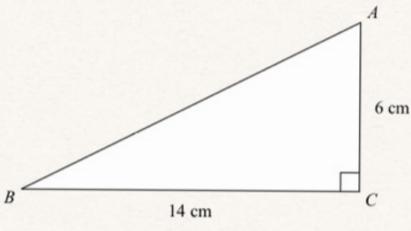


Diagram NOT accurately drawn

ABC is a right-angled triangle. AC = 6 cm.

BC = 14 cm.

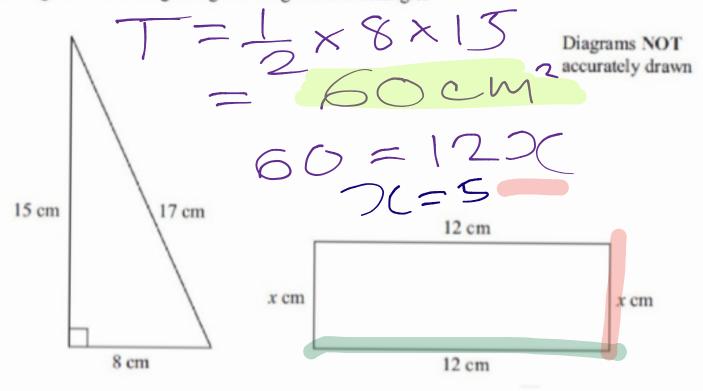
(a) Work out the area of triangle ABC.

1 > 14 x 6 = 42 cm²

..... cm²

1. Diagram NOT accurately drawn 5 cm 8 cm Work out the area of this right-angled triangle.

7. The diagrams show a right-angled triangle and a rectangle.



The area of the right-angled triangle is equal to the area of the rectangle.

Find the value of x.

$$6 \times (4+5+7) = 96$$