

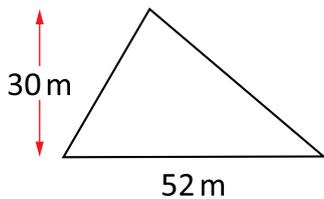
# Year 7 Class 8 questions

## Q1

The area of a rectangular floor is  $2418.6 \text{ m}^2$ .  
If the length is  $58 \text{ m}$ , find its width.

Width =  m **41.7m**

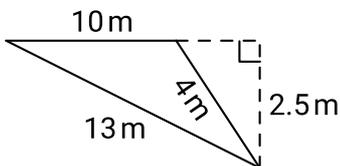
## Q2



Area =   $\text{m}^2$   
**780**

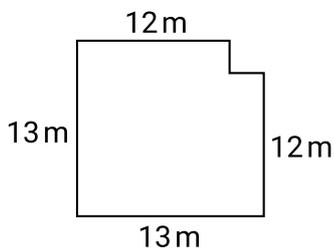
## Q3

Find the area.



Area =   $\text{m}^2$  **12.5**

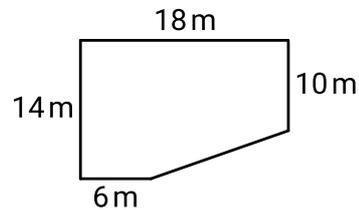
## Q4



Area =   $\text{m}^2$  **168**

## Q5

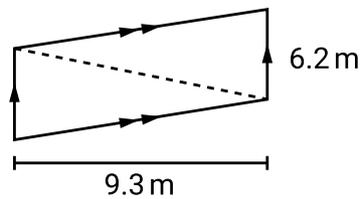
Find the area.



Area =   $\text{m}^2$  **228  $\text{m}^2$**

## Q6

Find the area of this parallelogram.



Area =   $\text{m}^2$  **57.66  $\text{m}^2$**

## Q7

A square paddock has an area of  $7140.25 \text{ m}^2$ .  
How long is each side?

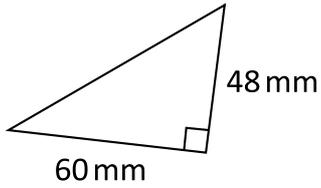
m **84.5m**

## Q8

A door is  $95 \text{ cm}$  wide and  $2.1 \text{ m}$  high.  
Find the area in  $\text{m}^2$ .

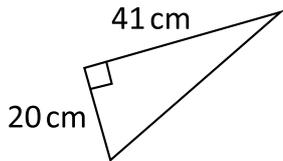
**1.995**

**Q9**



Area =  mm<sup>2</sup>  
1440

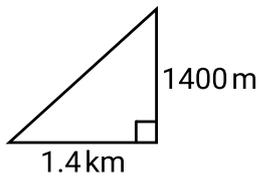
**Q10**



Area =  cm<sup>2</sup>  
410

**Q11**

Find the area of this triangle.



Area =  km<sup>2</sup> 0.98 km<sup>2</sup>

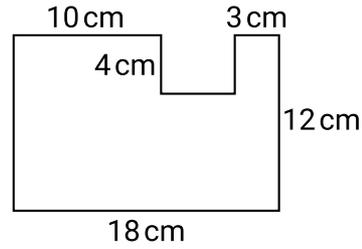
**Q12**

A triangular sail for a boat has height 3.5 m and base 8.2 m.

What is the area of material needed to make this sail?

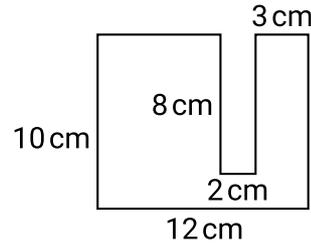
Area =  m<sup>2</sup> 14.35 m<sup>2</sup>

**Q13**



Area =  cm<sup>2</sup> 196

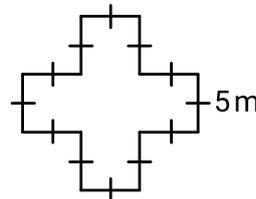
**Q14**



Area =  cm<sup>2</sup> 104

**Q15**

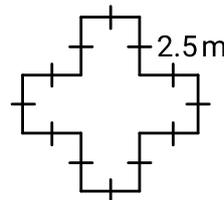
Find the area.



Area =  m<sup>2</sup> 125 m<sup>2</sup>

**Q16**

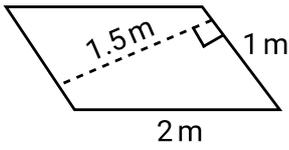
Find the area.



Area =  m<sup>2</sup> 31.25 m<sup>2</sup>

**Q17**

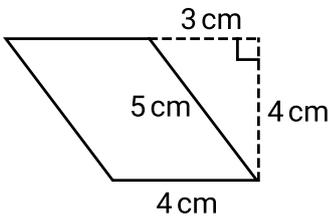
Find the area.



Area =  m<sup>2</sup> **1.5 m<sup>2</sup>**

**Q18**

Find the area.



Area =  cm<sup>2</sup> **16 cm<sup>2</sup>**

**Q19**

A rectangular pathway is 8.5 m long and 1.4 m wide. Pavers costing \$65 per square metre are purchased to cover it.

What is the area of the pathway?

Area =  m<sup>2</sup> **11.9 m<sup>2</sup>**

What is the cost of the pavers required to cover the pathway?

Cost = \$  **\$773.50**

**Q20**

A rectangular park is 24 m long and 21.5 m wide. New turf costing \$7.25 per square metre is purchased to cover it.

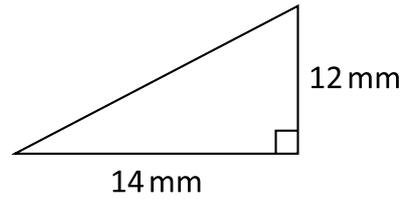
What is the area of the park?

Area =  m<sup>2</sup> **516 m<sup>2</sup>**

What is the cost of the turf required to cover the park?

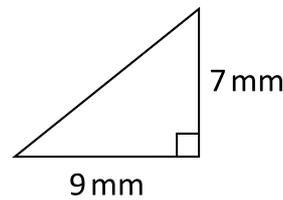
Cost = \$  **\$3741.00**

**Q21**



Area =  mm<sup>2</sup>  
**84**

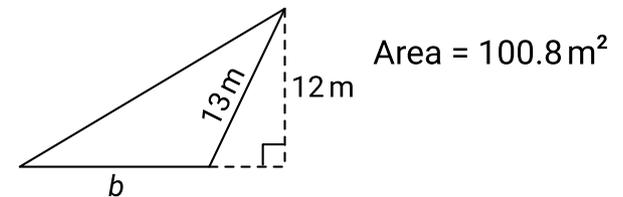
**Q22**



Area =  mm<sup>2</sup>  
**31.5**

**Q23**

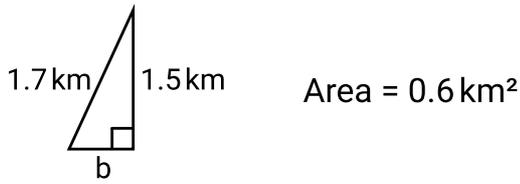
Find the missing length in this triangle.



$b =$   m **16.8**

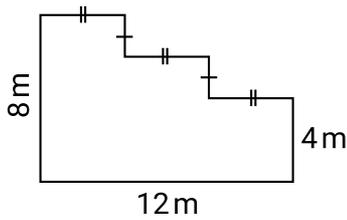
**Q24**

Find the missing length in this triangle.



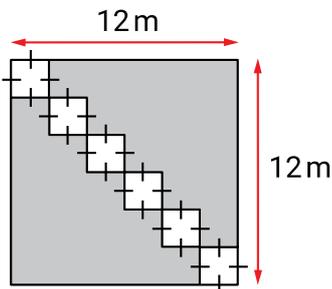
b =  km    0.8 km

**Q25**



Area =  m<sup>2</sup>    72

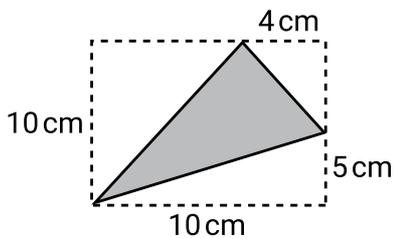
**Q26**



Shaded Area =  m<sup>2</sup>    120

**Q27**

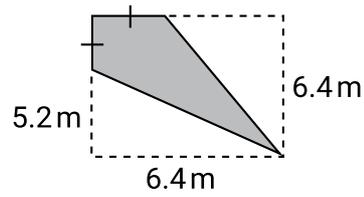
Find the shaded area.



Area =  cm<sup>2</sup>    35 cm<sup>2</sup>

**Q28**

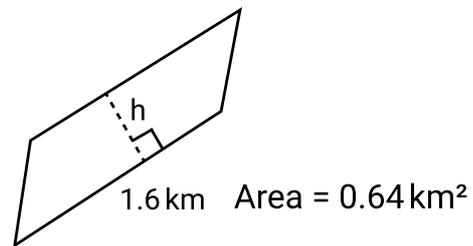
Find the shaded area.



Area =  m<sup>2</sup>    7.68 m<sup>2</sup>

**Q29**

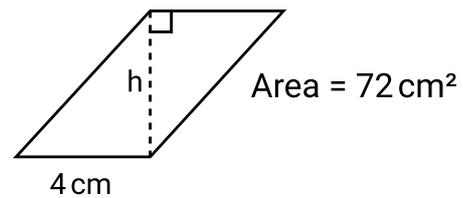
Find the value of h.



h =  km    0.4 km

**Q30**

Find the value of h.



h =  cm    18 cm