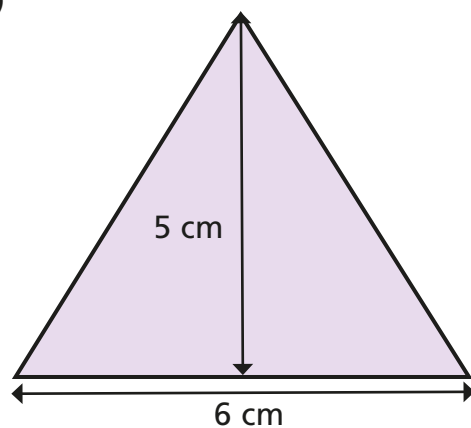


# Calculate the area of triangles, rectangles and parallelograms

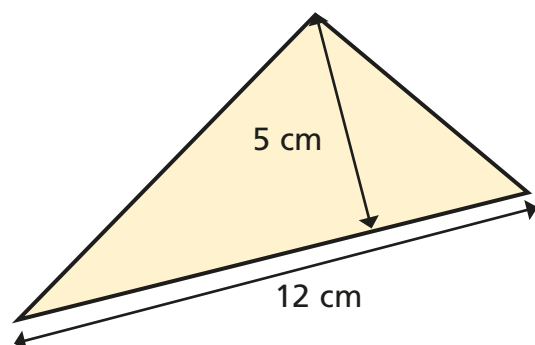
1 Find the areas of the triangles.

a)



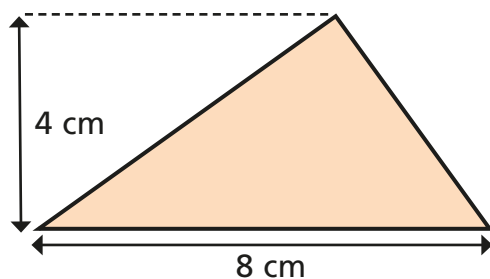
cm<sup>2</sup>

c)



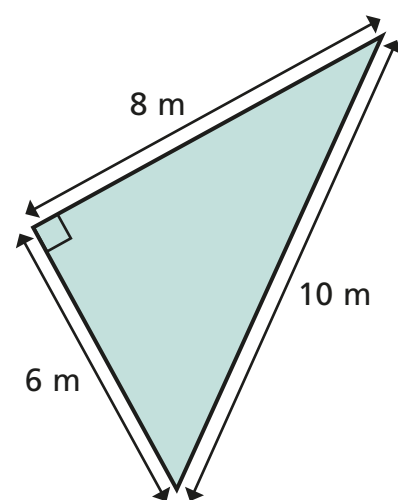
cm<sup>2</sup>

b)



cm<sup>2</sup>

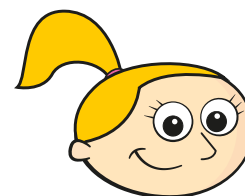
d)



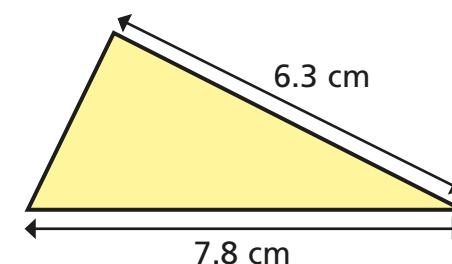
m<sup>2</sup>

2

Eva is working out the area of the triangle.



The base is 7.8 cm and the length of one side is 6.3 cm. I multiply and then divide by 2



What mistake has Eva made?

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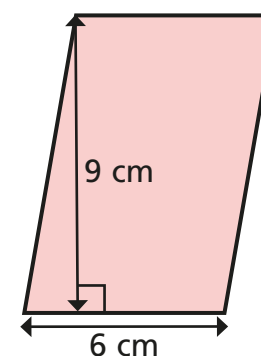


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3

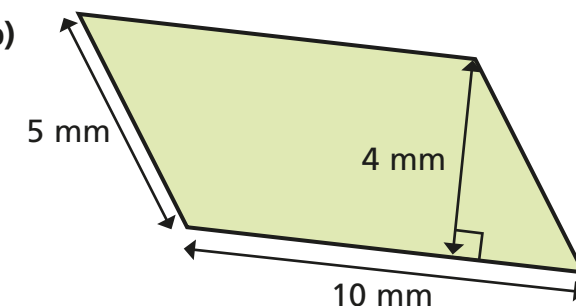
Find the areas of the parallelograms.

a)



cm<sup>2</sup>

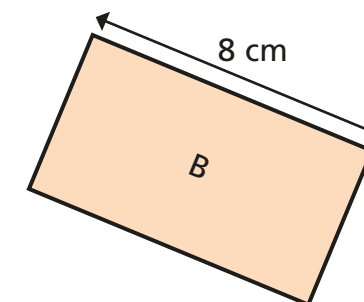
b)



mm<sup>2</sup>

4

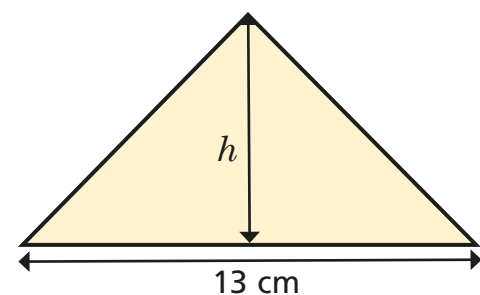
The two rectangles have the same area.



Work out the width of rectangle B.

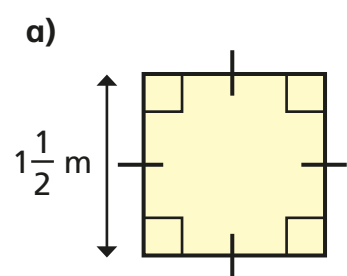
cm

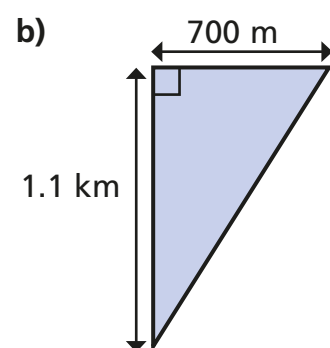
- 5 The area of the triangle is  $26 \text{ cm}^2$   
What is its height?

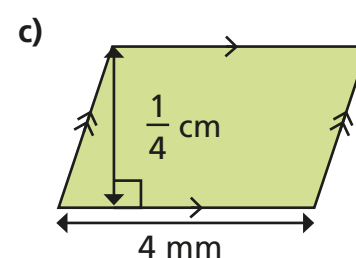


$$h = \boxed{\phantom{00}} \text{ cm}$$

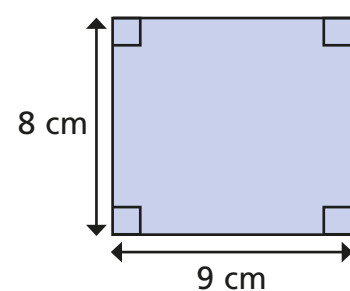
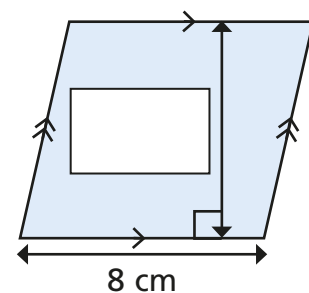
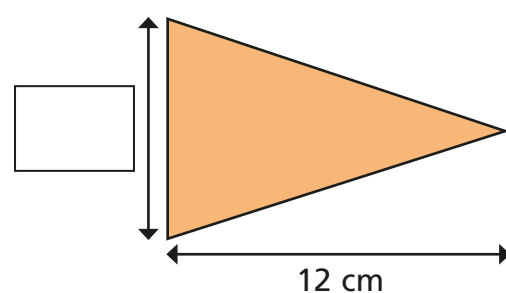
- 6 Work out the areas of the shapes.





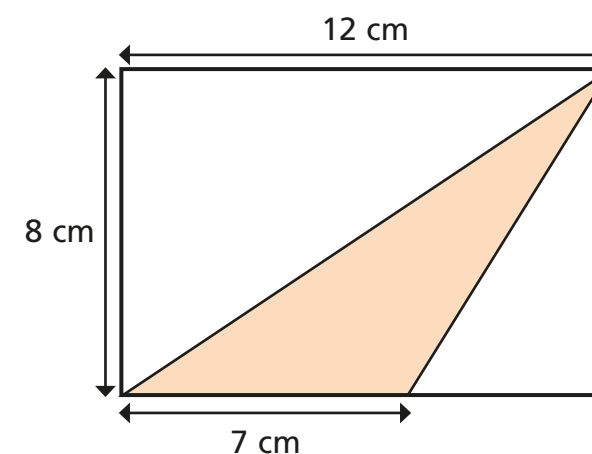



- 7 These three shapes all have the same area.

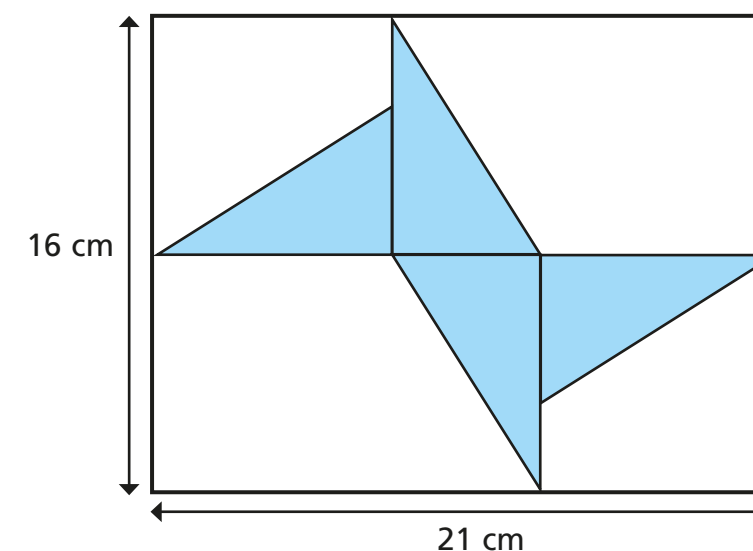


Find the missing values.

- 8 A rectangle is split into three triangles.  
One of the triangles is shaded.  
What is the ratio of shaded to non-shaded parts of the shape?


 : 

- 9 A logo is made from four identical right-angled triangles.



Find the area of one of the triangles.