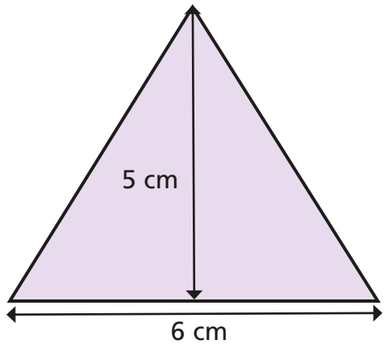
Calculate the area of triangles, rectangles and parallelograms

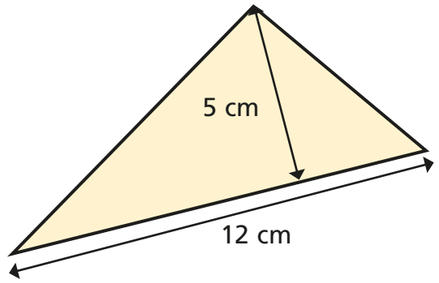
1 Find the areas of the triangles.

a)



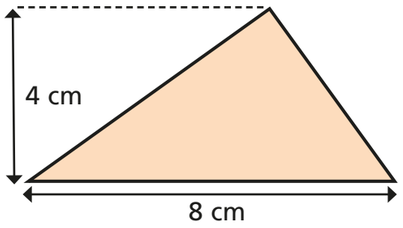
cm²

c)



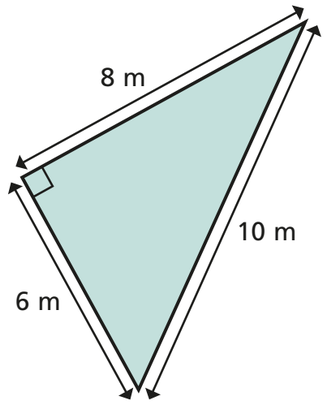
cm²

b)



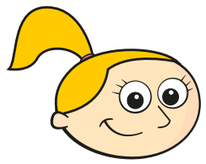
cm²

d)

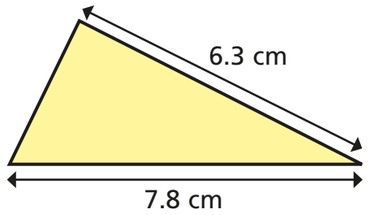


m²

2 Eva is working out the area of the triangle.



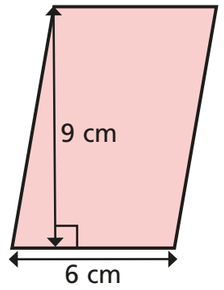
The base is 7.8 cm and the length of one side is 6.3 cm. I multiply and then divide by 2



What mistake has Eva made?

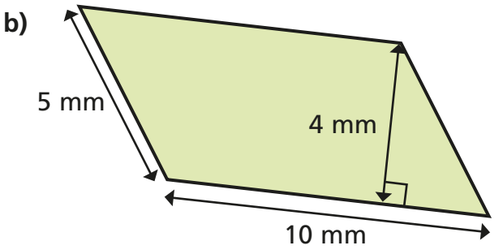
3 Find the areas of the parallelograms.

a)



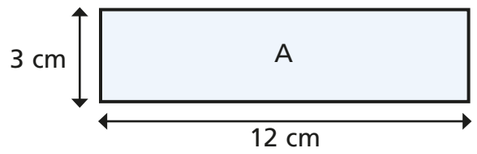
cm²

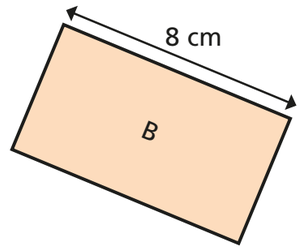
b)



mm²

4 The two rectangles have the same area.



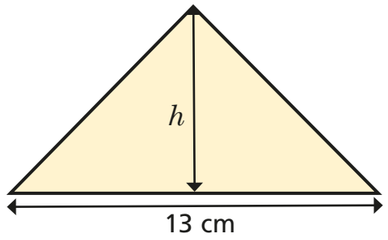


Work out the width of rectangle B.

cm

5 The area of the triangle is 26 cm^2

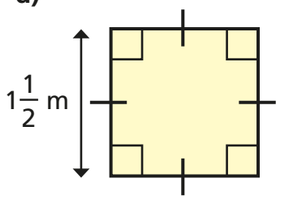
What is its height?



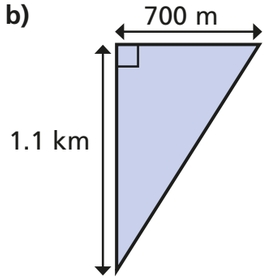
h = ☐ cm

6 Work out the areas of the shapes.

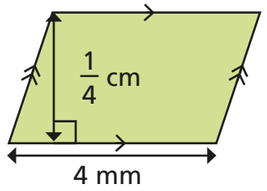
a)



b)



c)



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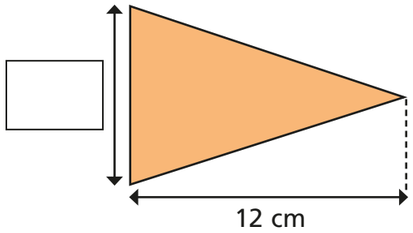
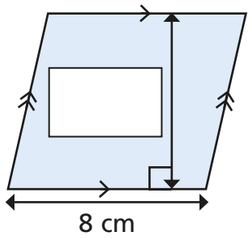
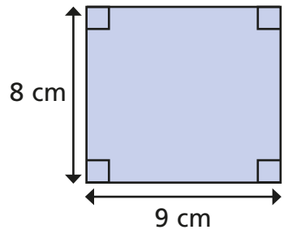
7 These three shapes all have the same area.





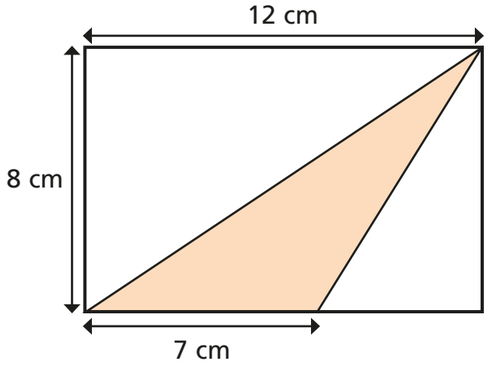


Find the missing values.

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?



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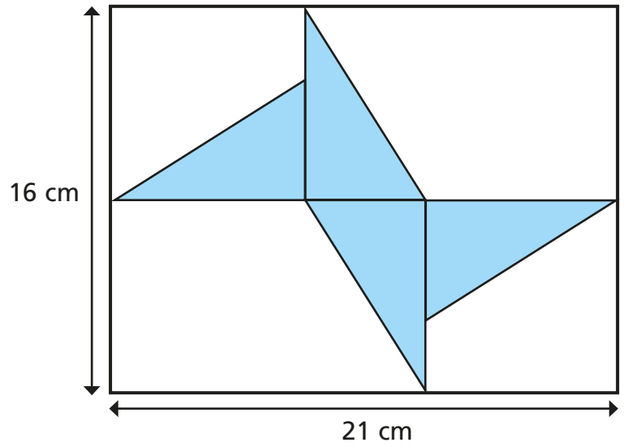
9 A logo is made from four identical right-angled triangles.



Find the area of one of the triangles.

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