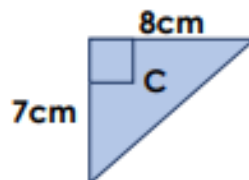
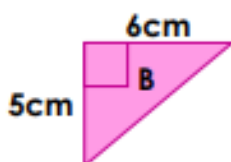
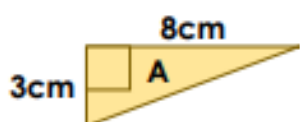
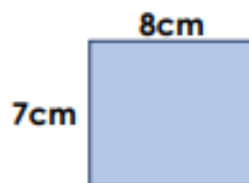
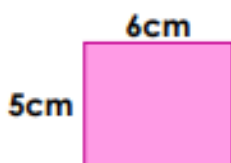
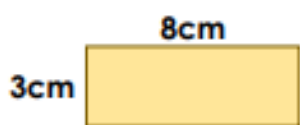


Y6 H/W

Area of a Triangle 2

1. Calculate the area of the triangles below and match them to the correct area.



28cm^2

15cm^2

12cm^2



not to scale

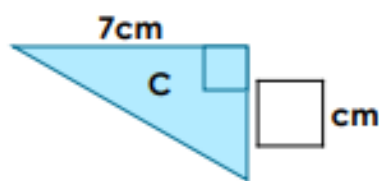
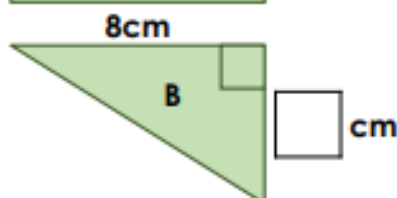
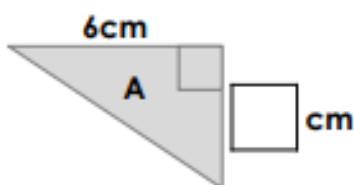
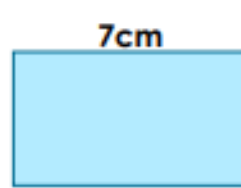
VF
HW/Ext

2. Use the areas of the rectangles to calculate the missing lengths of the triangles.

Area = 24cm^2

Area = 40cm^2

Area = 28cm^2



not to scale

VF
HW/Ext

3. Simon is working out the dimensions of a triangle with an area of 18cm^2 .

He says,



If I halve the area of the triangle, I can use my knowledge of the area of rectangles to find an answer.

Is he correct? Explain how you know, giving an example of the possible dimensions.

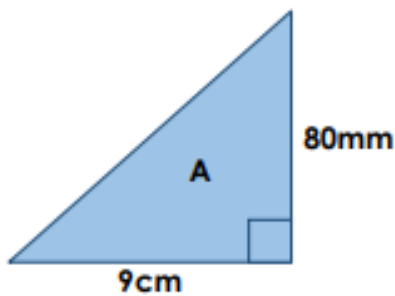


not to scale

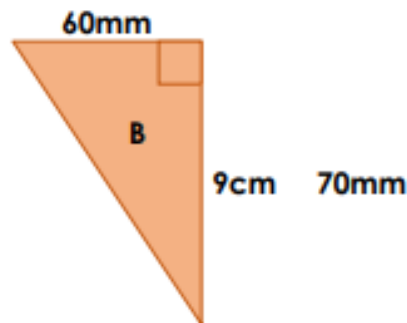
RPS
HW/Ext

Area of a Triangle 2

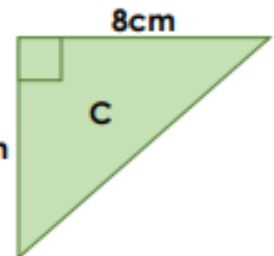
4. Calculate the area of the triangles below and match them to the correct area.



27cm²



28cm²



36cm²

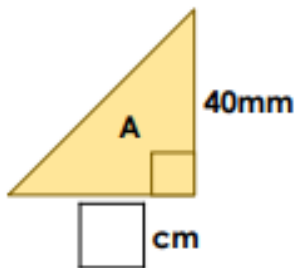


not to scale

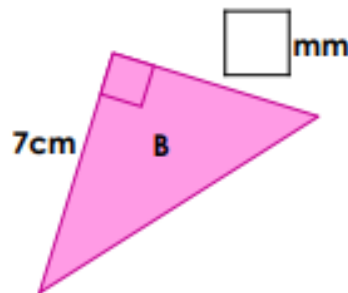
VF
HW/Ext

5. Find the missing lengths of the triangles.

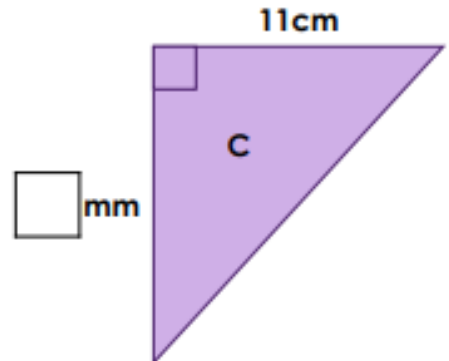
Area = 8cm²



Area = 21cm²



Area = 66cm²



not to scale

VF
HW/Ext

6. Aurora is working out the dimensions of a triangle with an area of 30m².

She says,



If the area of the triangle is 30m², the base and height of the triangle must be greater than 8m on either side.

Is she correct? Explain how you know, giving an example of the possible dimensions.

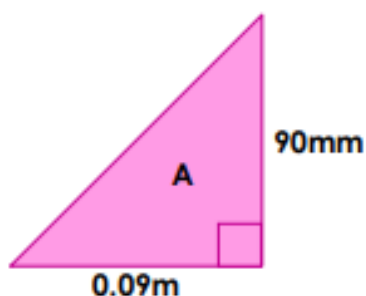


not to scale

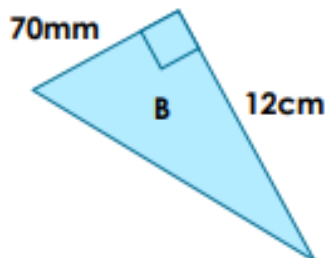
RPS
HW/Ext

Area of a Triangle 2

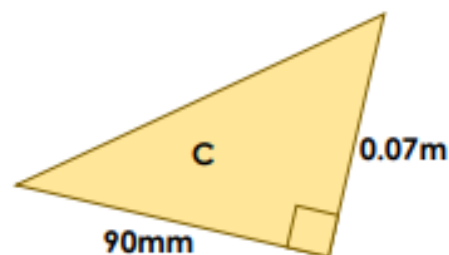
7. Calculate the area of the triangles below and match them to the correct area.



42cm²



31.5cm²



40.5cm²

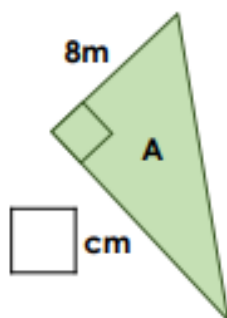


not to scale

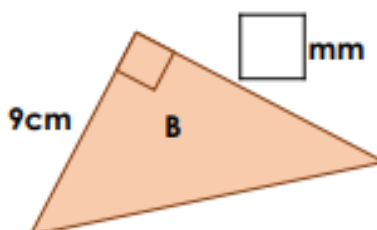
VF
HW/Ext

8. Find the missing lengths of the triangles.

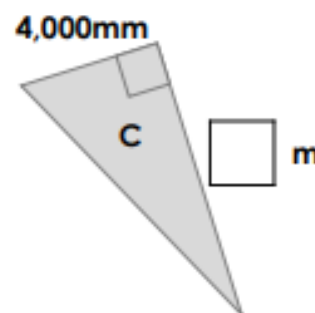
Area = 48m²



Area = 49.5cm²



Area = 16m²



not to scale

VF
HW/Ext

9. Daniella is working out the dimensions of a triangle with an area of 22.5m².

She says,




The area of my triangle has .5 at the end, so the length of the base and height must be odd numbers.

Is she correct? Explain how you know, giving an example of the possible dimensions.



not to scale

RPS
HW/Ext



1 = I
5 = V
10 = X
50 = L
100 = C
500 = D
1,000 = M

**When a numeral appears after a larger (or equal) value numeral, it is added.
If the numeral appears before a larger value numeral, it is subtracted.**