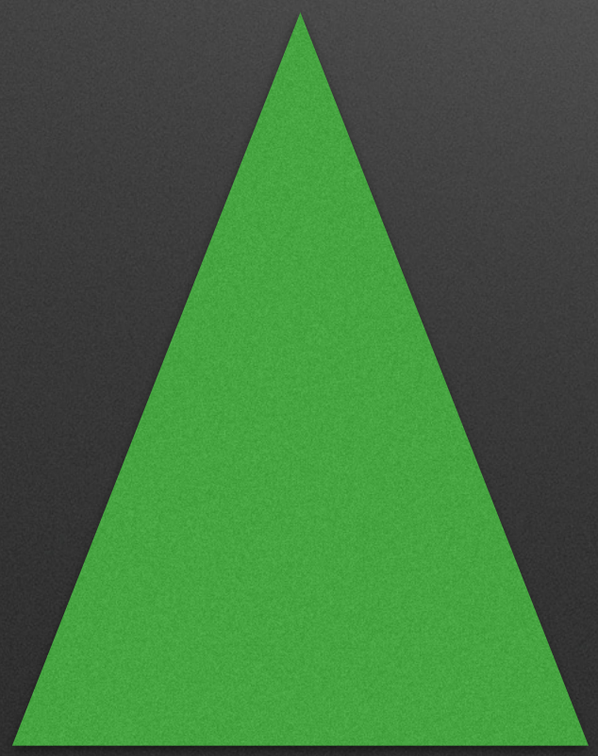
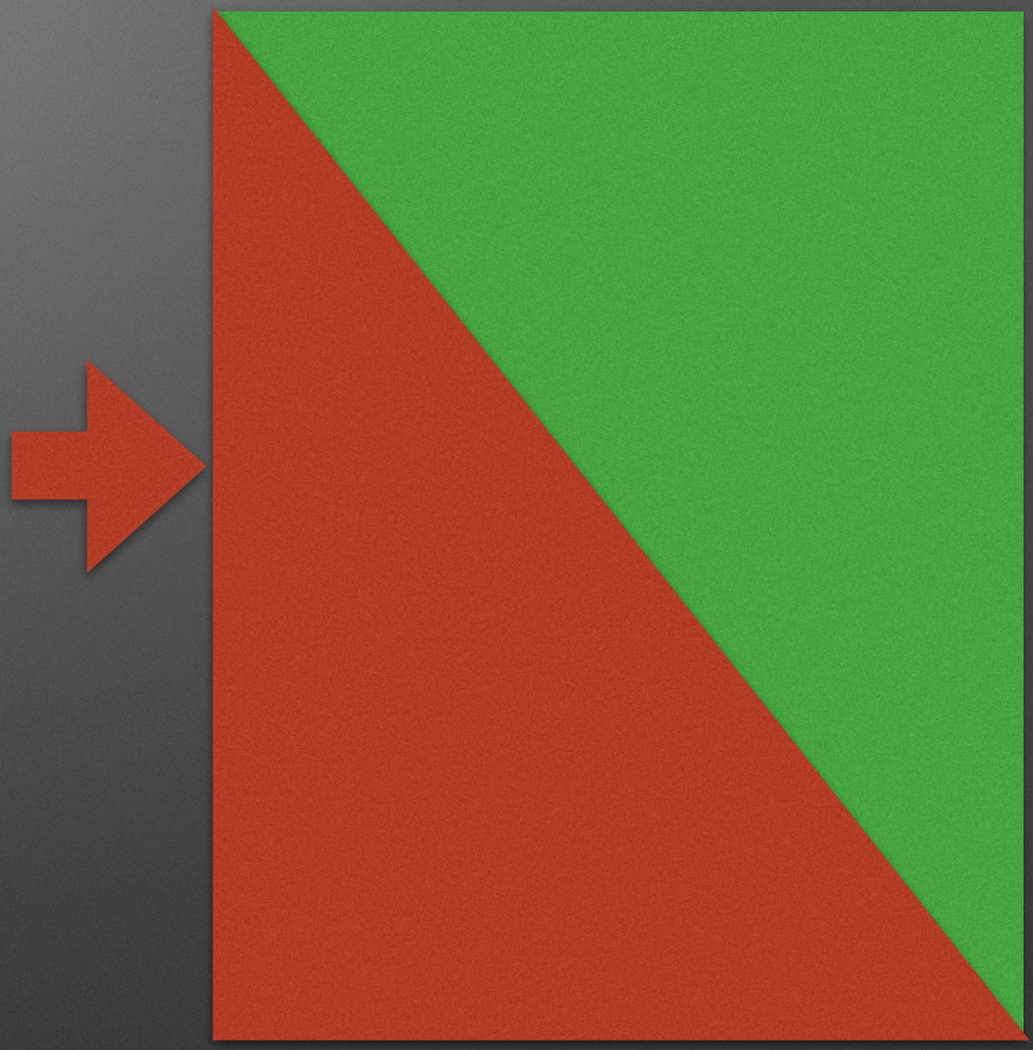
Triangles are Everywhere!

Objective:
to calculate the area of a triangle



Investigate the area of a triangle ...

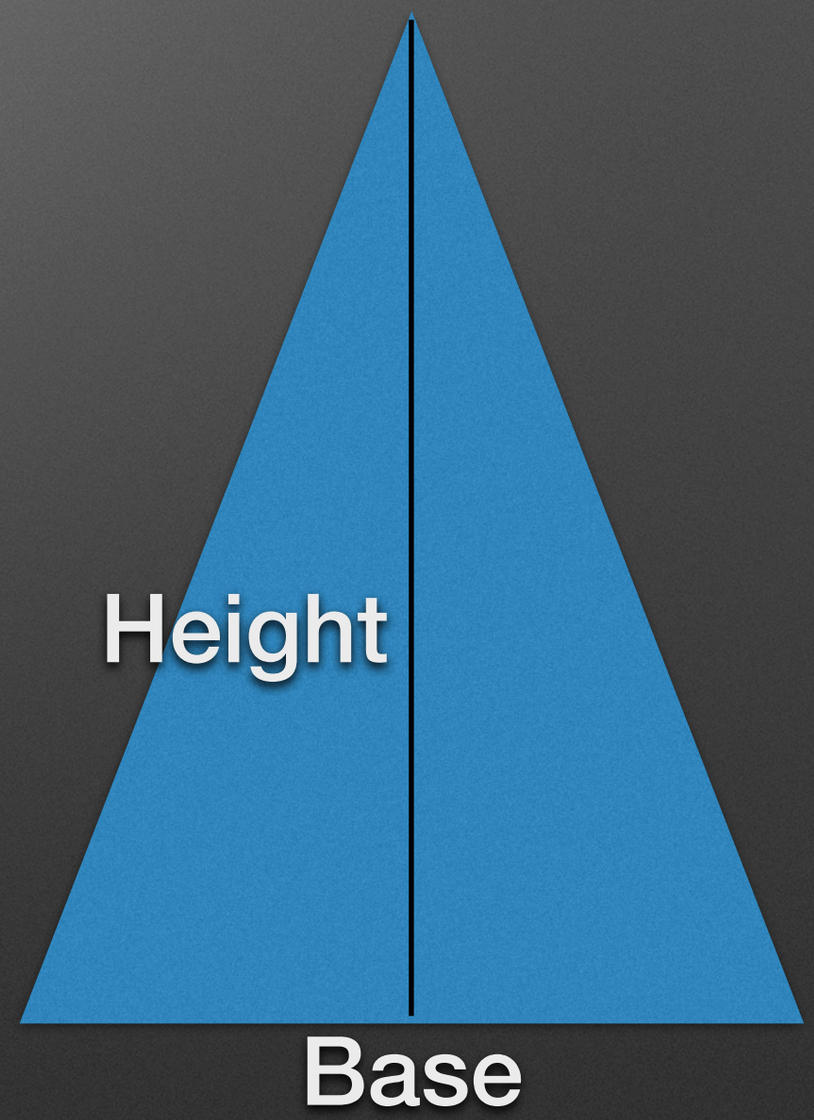
- Draw a rectangle with a length of 10cm and a width of 6cm. Then calculate the area of it.
- Next, split the rectangle into two triangles
- What do you notice about the area?
- Investigate with other triangles. What happens if you draw a rectangle around a triangle? What can you say about the area of the shapes? Compare the area of triangles with the area of rectangles and write down what you discover.



Formula for calculating the area of a triangle ...

- Half x base x height
- OR
- base x height divided by 2

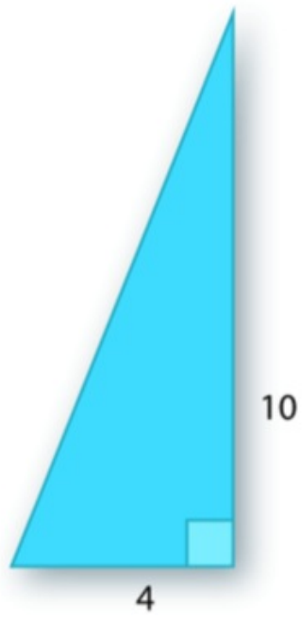
- Write this algebraically!



Calculate the area of the rectangles

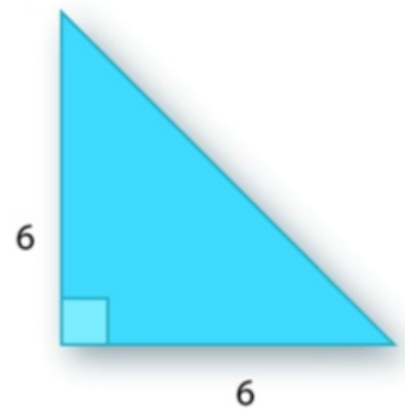
Directions: Find the area of the triangles below.

1



_____ square units

2



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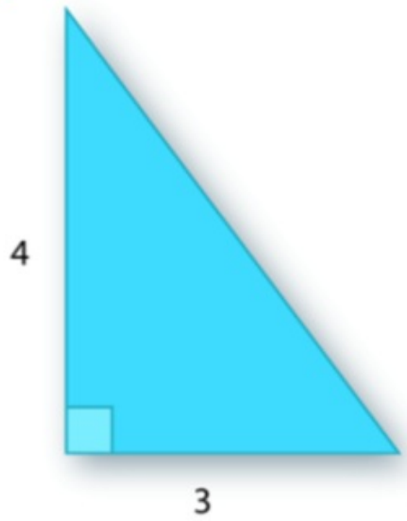
3



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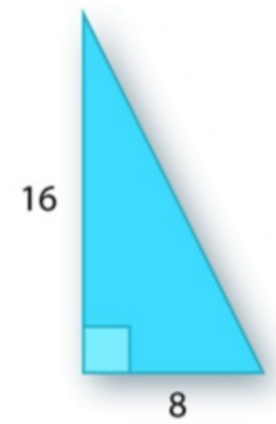
4



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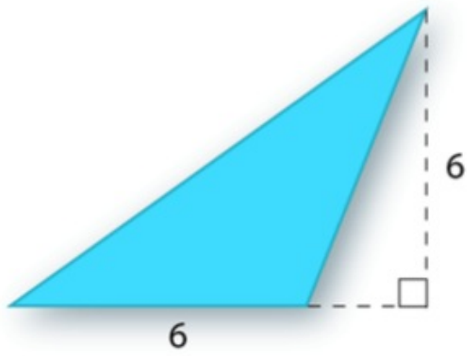
5



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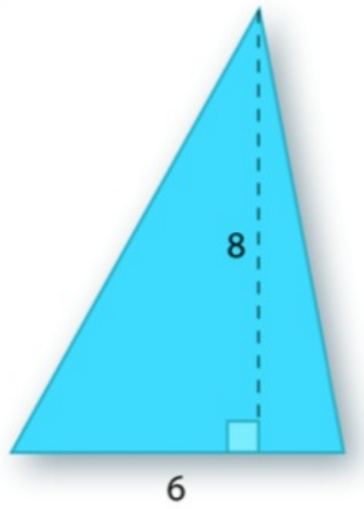
6



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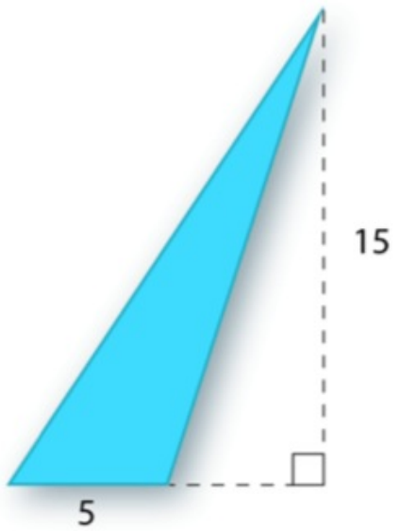
7



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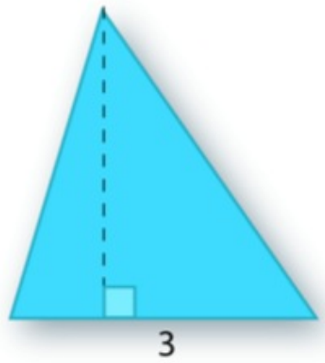
8



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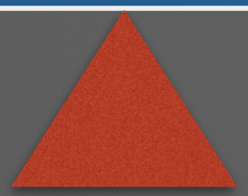
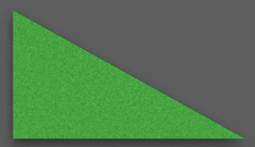
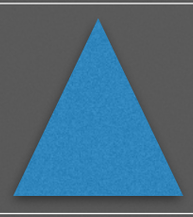
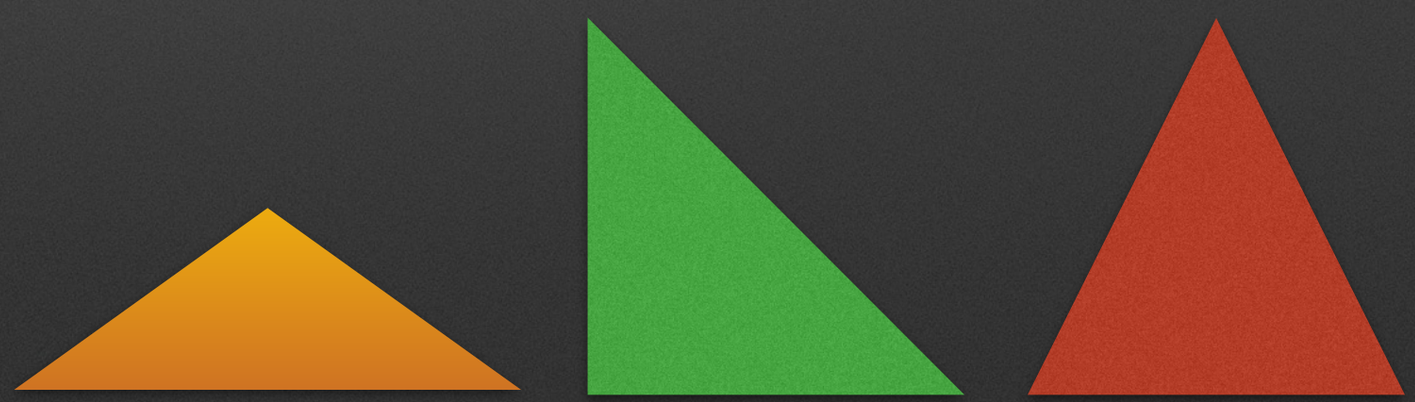
Complete the table below ...

TRIANGLE	HEIGHT	BASE	AREA
	12cm	6cm	
	8cm	6cm	
	14m	26m	
	7cm	13cm	
	6mm	5mm	

Next, do your own investigation

- Here's a few ideas ....
- Draw triangles and calculate their areas
- Search online for activities
- Try websites such as BBC Skillswise or GCSE Bitesize
- Search online for ....




Some say that I have a
triangular shaped head!


Explain to someone how to calculate the area of a triangle.