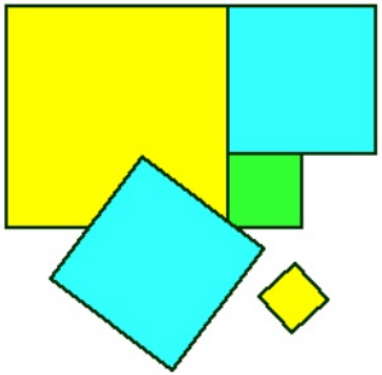
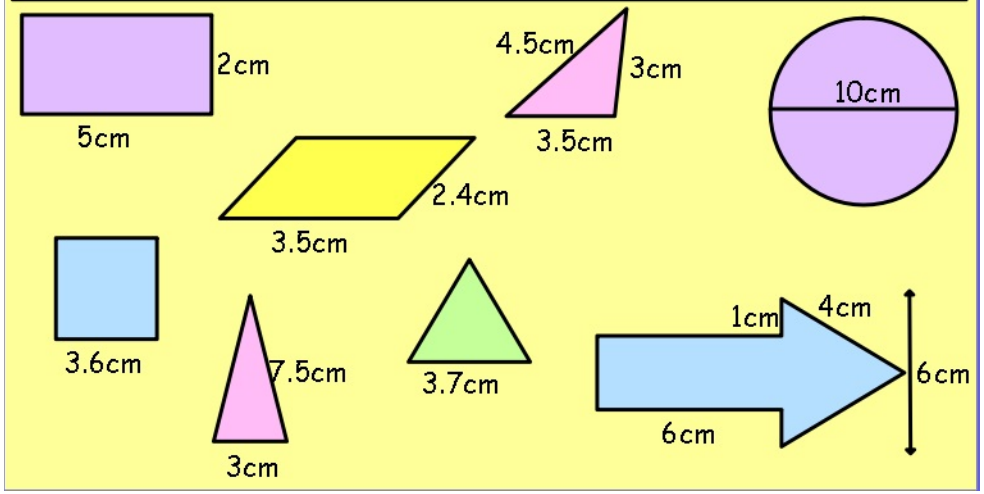
Nine squares with side lengths 1, 4, 7, 8, 9, 10, 14, 15 and 18 cm can be fitted together with no gaps and no overlaps, to form a rectangle.

What are the dimensions of the rectangle?



L.O - to analyse your prior knowledge of perimeter. To demonstrate your understanding by defining and explaining what it is.

Perimeter:

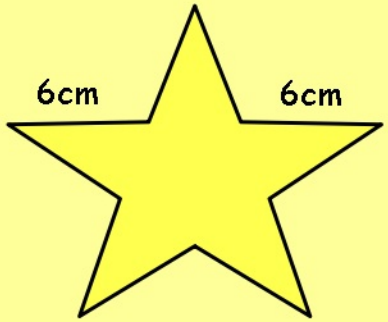


Team Task 1: A game of 60!

Create 8 unique shapes that have a perimeter of 60cm

Draw them to scale...

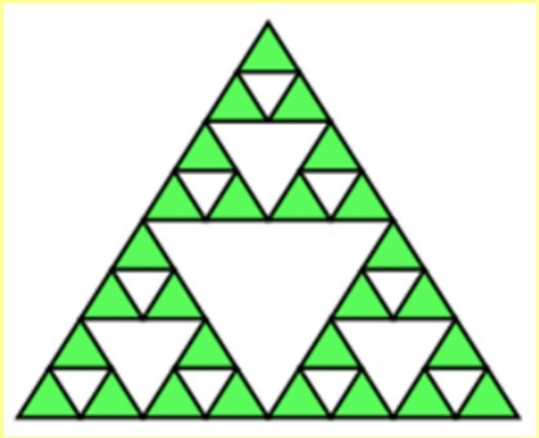
Convince me that they are unique...



Team Task 2 - What is the total length of the black lines of this shape?

Show me why your answer is correct

Convince me why your answer is correct



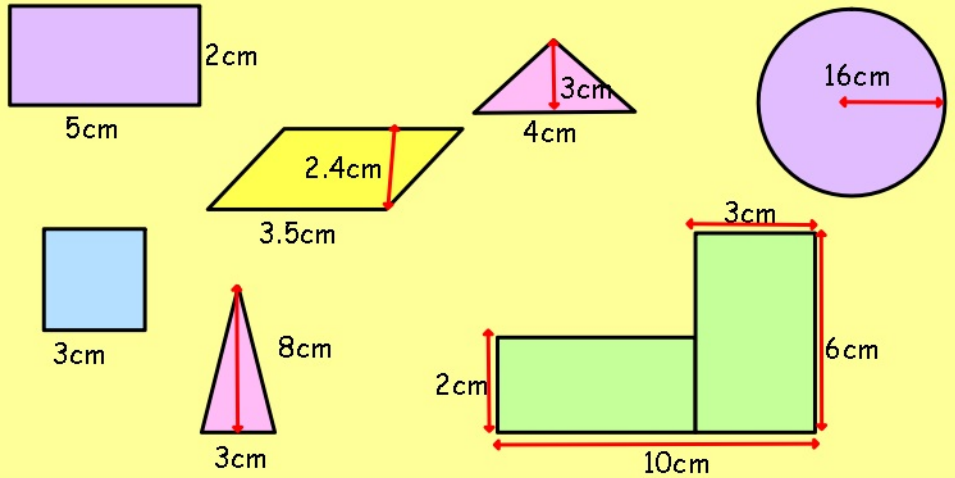
Perimeter of the large triangle is 24cm

Team Task 3: Calculate the perimeter of Jerry's original piece of paper

Tom and Jerry started with identical rectangular sheets of paper. Each of them cut his sheet into two. Tom obtained two rectangles, each with a perimeter of 40cm while Jerry obtained two rectangles, each with a perimeter of 50cm. What was the perimeter of Tom's original sheet of paper?

L.O - to analyse your prior knowledge of area. To demonstrate your understanding by defining and explaining what it is.

Area:



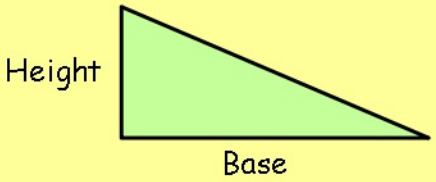
Team Area Task:

To create a poster explaining how to calculate the area of the following shapes:

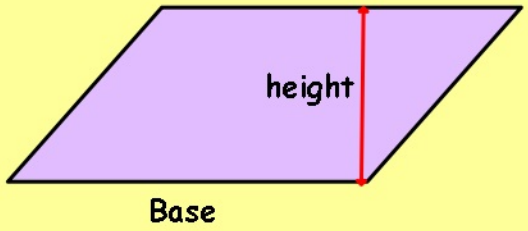
- Square
- Rectangle
- Triangle
- Parallelogram
- Trapezium
- Compound shapes

You will need to justify why the formulae works - you will have all the equipment to do this... you will just need to explain it.

Workshop 1 - Area of a triangle



Workshop 2: Area of a Parallelogram



Workshop 3: Area of a trapezium