CHALLENGES-01.06.2020
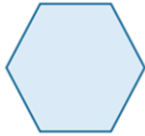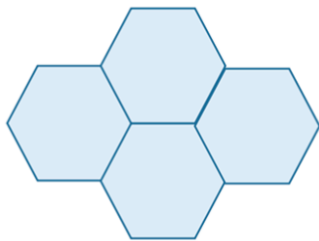
Challenge 1

The perimeter of this regular hexagon is 42 cm.

Four of these hexagons are put together to make this shape.

Challenge 2

Charlie has a tin of paint.

The tin is half full and weighs 5.8 kg. Charlie paints a wall in his house.
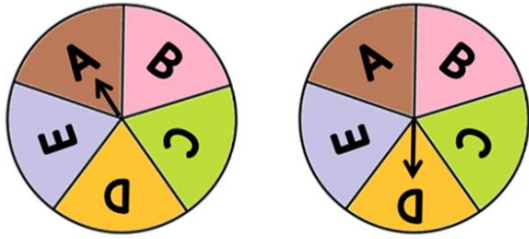
The tin is now a quarter full and weighs 3.1 kg.

How much does the empty tin weigh?

Challenge 3

A spinner has 5 equal sections. The sections are labelled A to E.

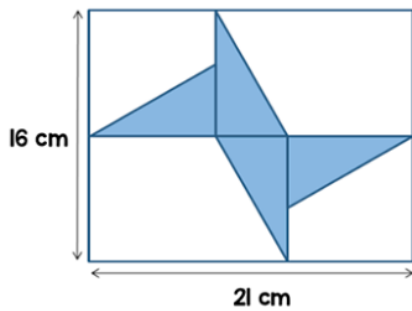The arrow is pointing to the centre of section A.

Tom rotates the arrow clockwise so that the arrow is now pointing to the centre of section D.

What angle has the arrow been rotated through?

Challenge 4

4 congruent triangles are shown inside a rectangle.

16 cm

21 cm

What is the area of one of the triangles?