Practical Problem – Create a Snowflake

Task 1 – Draw a snowflake to match the description below.

Task 2 – With a partner, cut paper to create a snowflake and match the description below.

Create a snowflake that:

Challenge 1:

This snowflake has a total of 19 shapes.

-a total of 19 shapes

-has 3 squares and 3 rectangles

-has a hexagon in the centre

-has 6 of the same shape that don’t have a right angle

-none of the shapes used can start with the letter ‘t’

Challenge 2:

-a total of 25 shapes

-has 1 line of symmetry

-has no shapes with less than 4 sides

-21 of the shapes are wider than 3.5cm

-9 of the shapes have more than 6 sides

Challenge 3:

-a total of 33 shapes

-is symmetrical

-has 2 lines of symmetry

-has no more than 8 of any shape

-has no right angles

-has no shape wider than 4.5cm

Write your own challenge for a partner.