



# Year 6 Transition Maths 'Golden Spiral Competition'



- Create the best golden spiral you can. Aim to be accurate, see how big you can make it and try to add some colour!
- There are instructions below to help you if you need them
- There is some additional help with this on the 'Primary to Secondary Transition' part of the

website under ‘ Year 6 Transition Activities’  
‘Maths’ ‘Spirals in Circles and Squares - Part 3’.

**Send your entries to:**

**hhstransition@haydockhigh.sthelens.org.uk**

**Closing date: Monday 12<sup>th</sup> July**

**Winners announced : Wednesday 14<sup>th</sup> July**

## **INSTRUCTIONS**

**WHAT YOU NEED:** squared paper, a pen, a ruler and a compass.

- **STEP 1 - DRAW SQUARE:** Draw a square on squared paper.
- **STEP 2 - ANOTHER ON TOP:** Draw another square on top.
- **STEP 3 - TURN AND REPEAT:** Turn the paper anti-clockwise 90 degrees....then repeat step 2: draw another square on top, turn anti-clockwise 90° and keep repeating with the squares getting bigger and bigger until no more squares will fit on the paper.
- **STEP 4 - DRAW THE SPIRAL:** Starting with the first square, draw a quarter circle inside it from corner to corner. Then do the same in the second square and so on, creating a growing spiral.

**TIP:** use a compass to draw neat quarter circles as the squares get larger.

**Finally draw over the spiral with a coloured pen to make it stand out.  
You’ve done it!**

**There is also a good demonstration on BBC Bitesize:**

<https://www.bbc.co.uk/bitesize/topics/zwg4d2p/articles/zqp37p3>