

# Clever Circles Extra Challenge

I can draw and label circles.

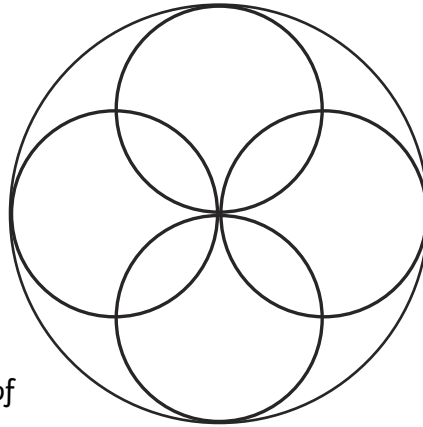


Use your pair of compasses to create these stunning circle designs using the instructions.

## Design 1

Step by step drawing instructions:

1. Draw a circle with a diameter of 10cm.
2. Draw a faint horizontal and vertical line which both intersect the centre point of this circle.
3. Make a small mark 2.5cm from the outside edge on each side of these lines.
4. Set your pair of compasses to a distance of 2.5cm.
5. Place the needle of the pair of compasses on the marks made previously and draw 4 intersecting circles.
6. Carefully rub out the horizontal and vertical lines.
7. Add colour and pattern to your circle design.



## Design 2

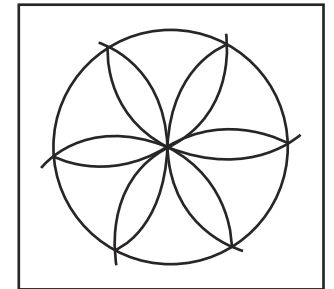
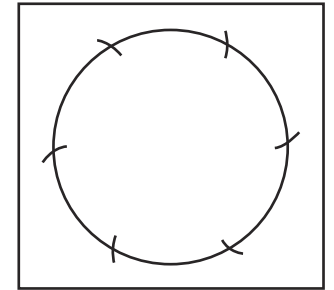
Step by step drawing instructions:

Draw a circle with a radius of 4cm.

Keep your pair of compasses set at 4cm. Place the needle anywhere on the edge of the circle and make a small arc where the pencil meets the edge of the circle.

Repeat by placing your needle on the arc just made and creating a second arc. Continue this process around the edge of the circle.

Next, place the needle on each arc in turn and draw larger arcs.



**Extra challenge:** Invent your own circle pattern and write a set of instructions for it.