

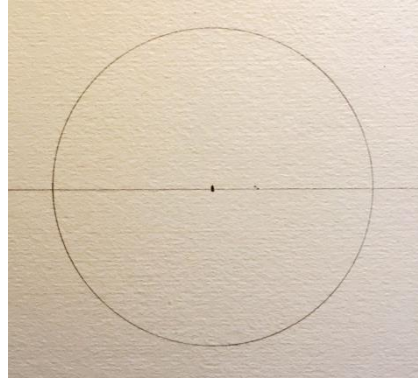
## Constructing a Square

For this construction you will need to work on a piece of A4 paper in portrait.

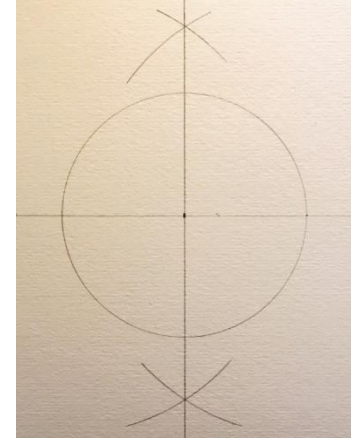
**Step 1** – Draw a horizontal line halfway down your paper. Mark a point halfway along the line.



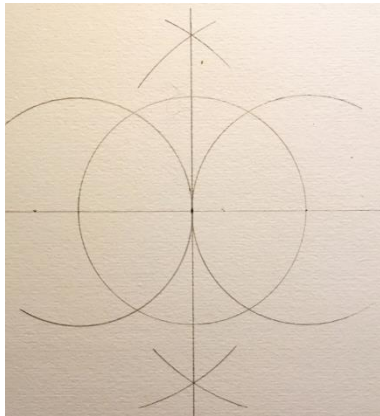
**Step 2** – Draw a circle of radius 6 cm



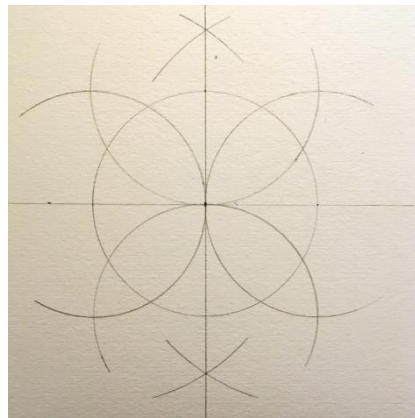
**Step 3** – Construct the perpendicular bisector of the horizontal line joining the left and right edges of the circle.



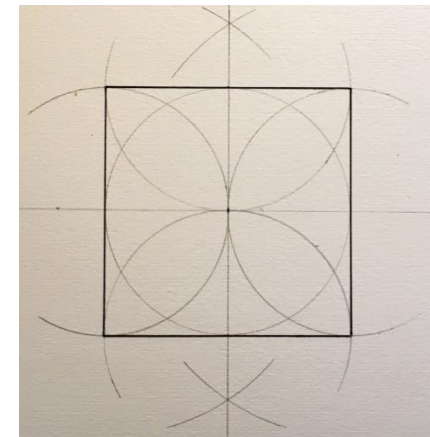
**Step 4** – Reset your compasses to 6 cm, place the compass point at the right intersection point and draw slightly more than a semi-circle. Repeat at the left side.



**Step 5** – Repeat step 4 from the top and bottom points where the circle intersects with the perpendicular bisector.



**Step 6** – Using a ruler, join the four points where the semi-circles intersect.



**Step 7** – Colour your square using pencil crayons or fineliners!

