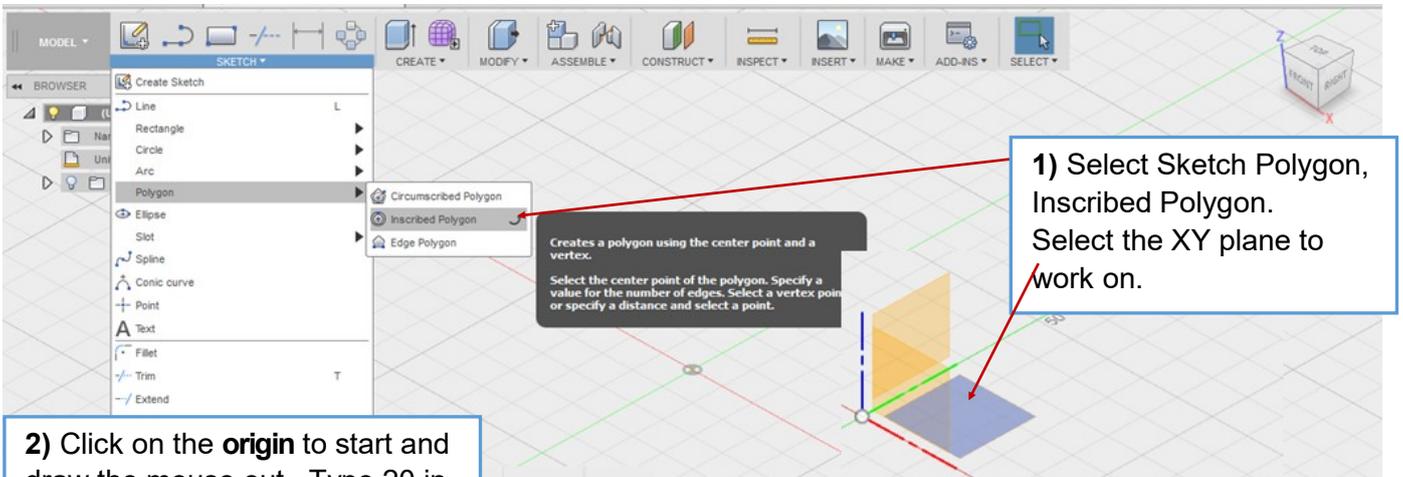




Star Decoration Fusion 360 Tutorial

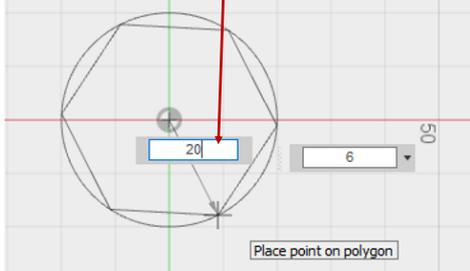


Before using these instructions, it is helpful to watch this video screencast of the CAD drawing actually being done in the software. [Click this link for video instructions](#)

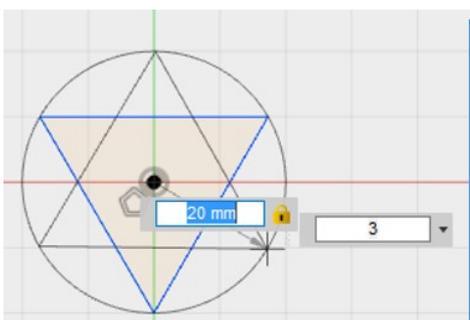
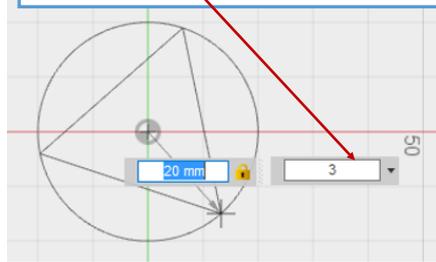


1) Select Sketch Polygon, Inscribed Polygon. Select the XY plane to work on.

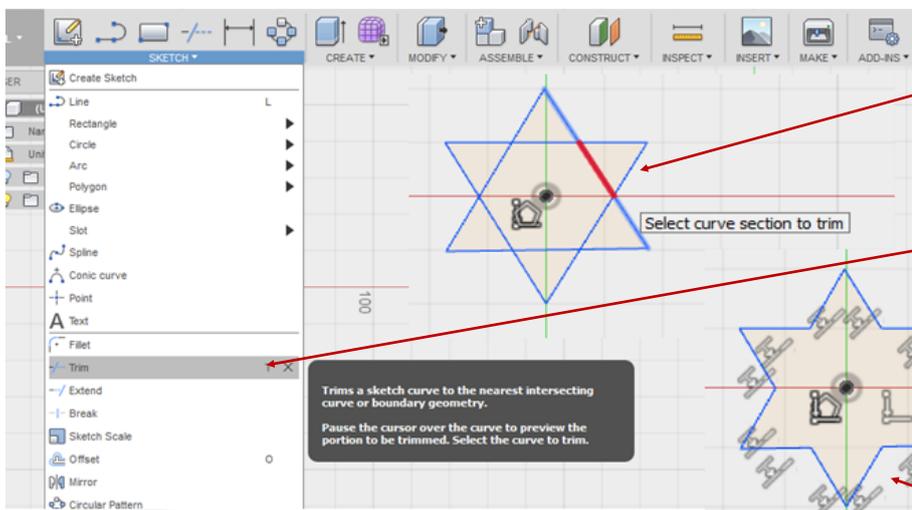
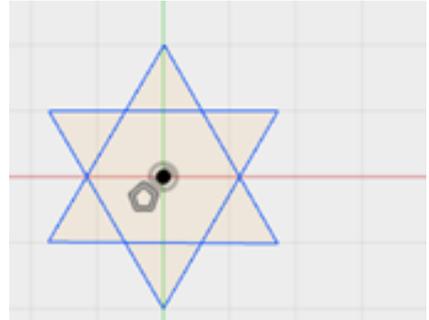
2) Click on the **origin** to start and draw the mouse out. Type 20 in the measurement box and then Tab on to the next box.



3) Type 3 for the number of sides, turn the triangle to look like this. Press Enter to finish, then select Inscribed Polygon again and go to the centre point to start drawing the next triangle.

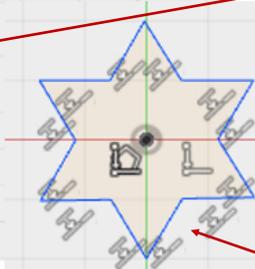


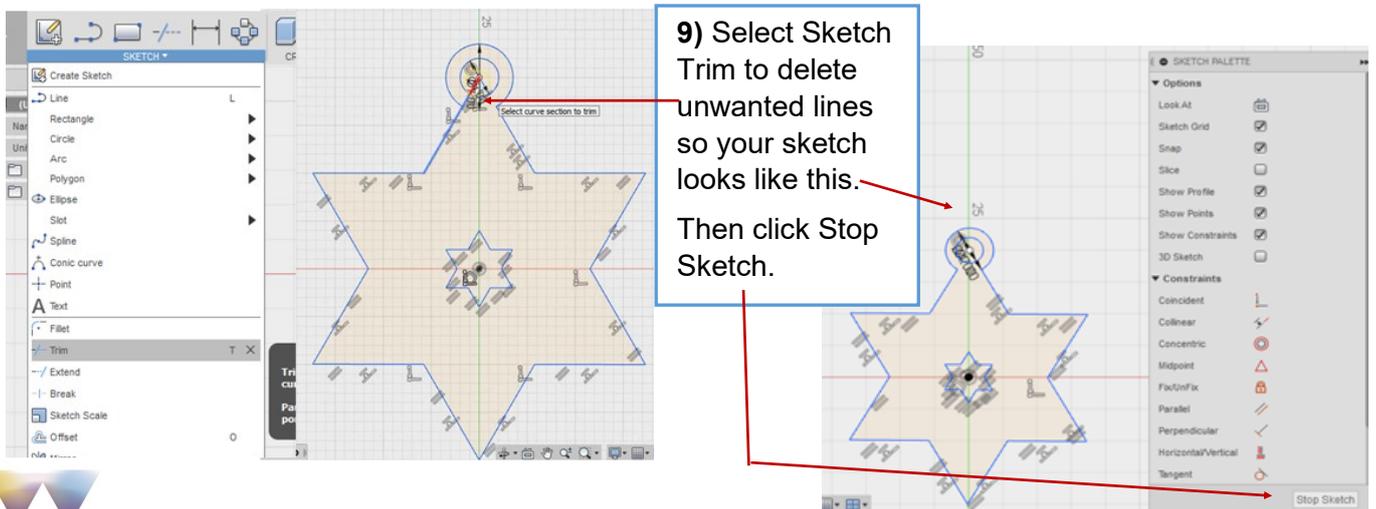
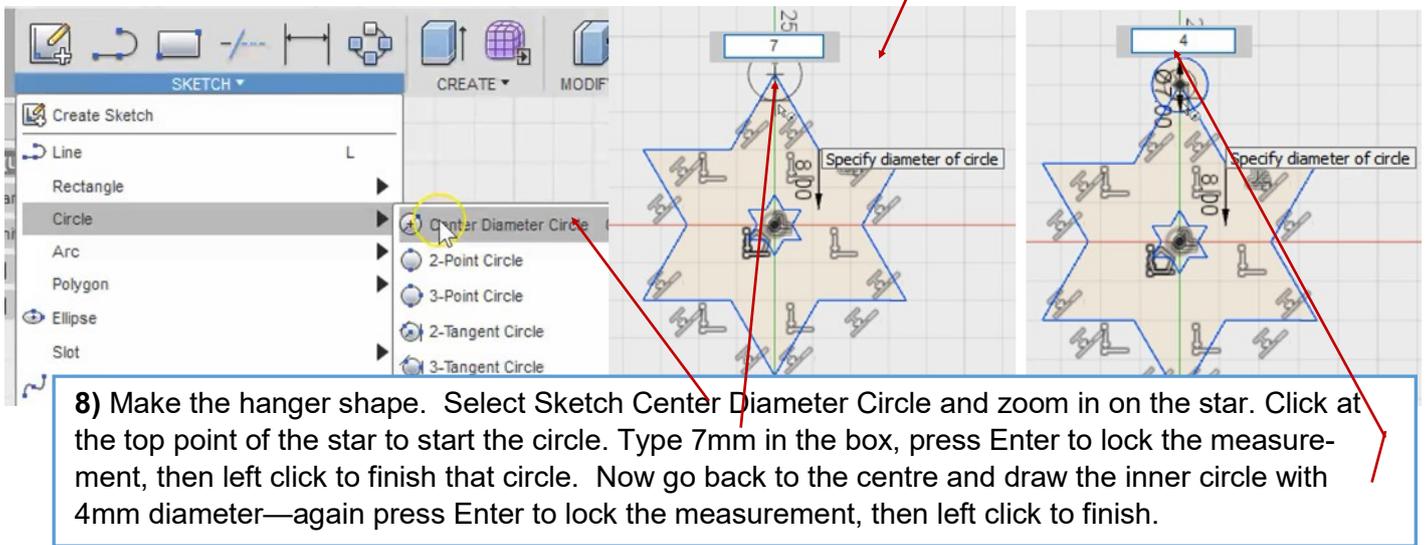
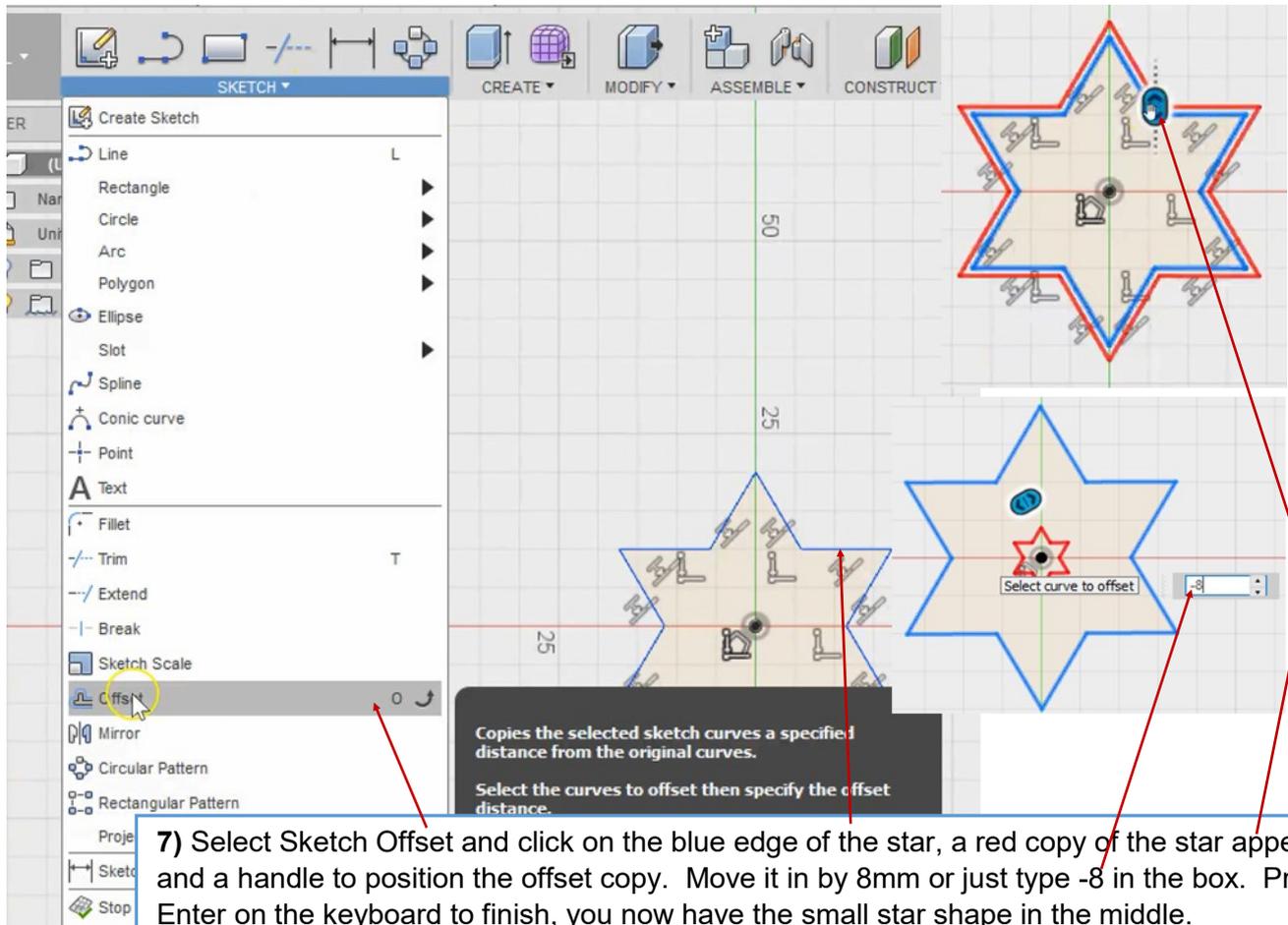
4) Draw the 2nd triangle facing the opposite direction. Put 20mm in the measurement box, tab on to the other box and put 3 for number of sides. Press Enter to finish.

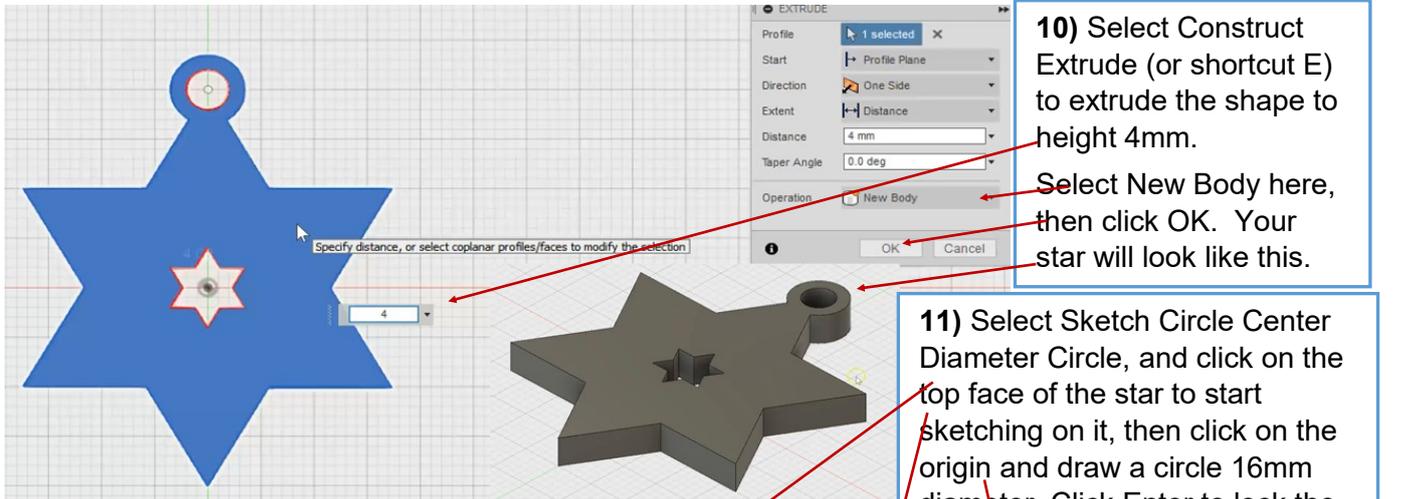


5) You need to delete some of the lines to make your star look like the one below.

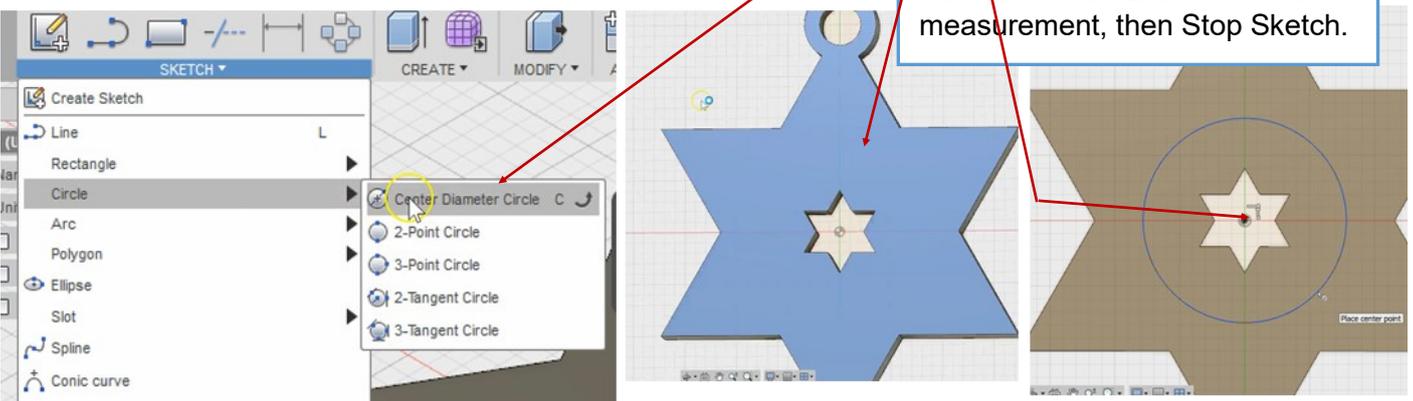
6) Select Sketch Trim (or shortcut T), click on the star to select it, then hover the mouse over a line you want to delete – when it goes red, left click to delete, then repeat on the others lines you need to delete. Your star should look like this.





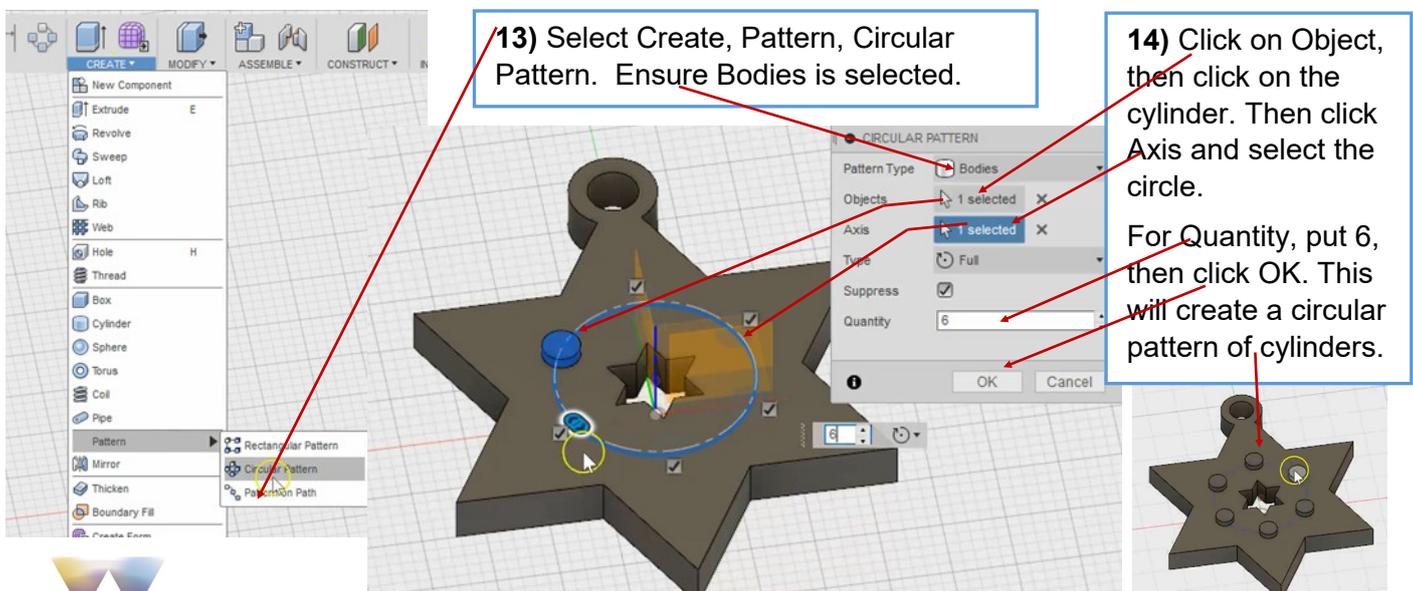
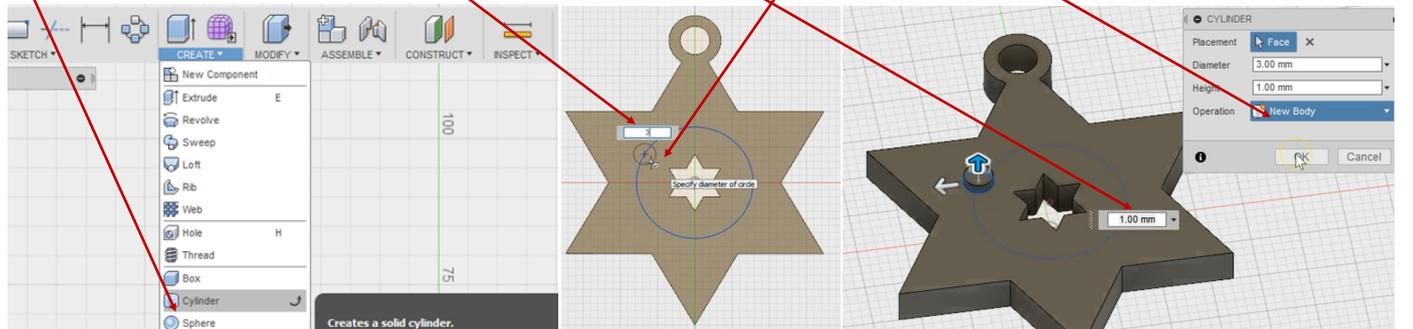


10) Select Construct Extrude (or shortcut E) to extrude the shape to height 4mm. Select New Body here, then click OK. Your star will look like this.



11) Select Sketch Circle Center Diameter Circle, and click on the top face of the star to start sketching on it, then click on the origin and draw a circle 16mm diameter. Click Enter to lock the measurement, then Stop Sketch.

12) Select Create, Cylinder, click on the circle in line with one of the star points — draw out the mouse to draw the cylinder and put 3 in the measurement box, press Enter to lock the size. Then left click once and the extrude box appears, make the cylinder 1mm high—ensure New Body is selected. Click OK.



13) Select Create, Pattern, Circular Pattern. Ensure Bodies is selected.

14) Click on Object, then click on the cylinder. Then click Axis and select the circle. For Quantity, put 6, then click OK. This will create a circular pattern of cylinders.

