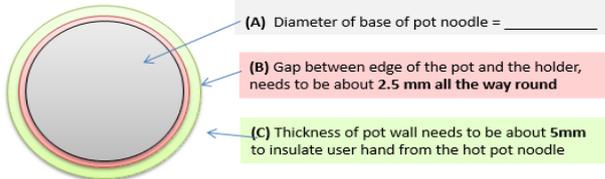




123D Design Tutorial: Pot noodle holder to fit a standard pot noodle pot

1 Radius of base of pot holder



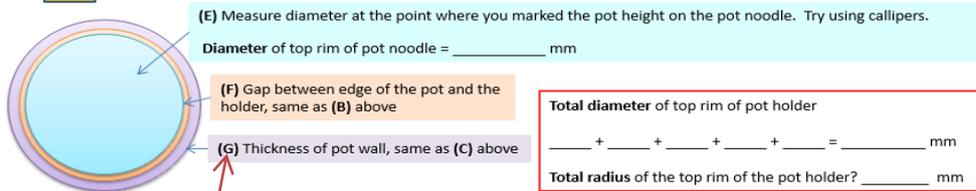
Total diameter of base of the pot holder
 _____ + _____ + _____ + _____ + _____ = _____ mm
 Total radius of the base of the pot holder? _____ mm

2 Height of the pot noodle holder



Decide how high you want the pot holder and mark it on your pot noodle. Measure the height and remember to add on the depth of the base of the pot holder to get total height
 _____ + _____ = _____ mm

3 Radius of top rim of pot holder



Total diameter of top rim of pot holder
 _____ + _____ + _____ + _____ + _____ = _____ mm
 Total radius of the top rim of the pot holder? _____ mm

BEFORE YOU START:

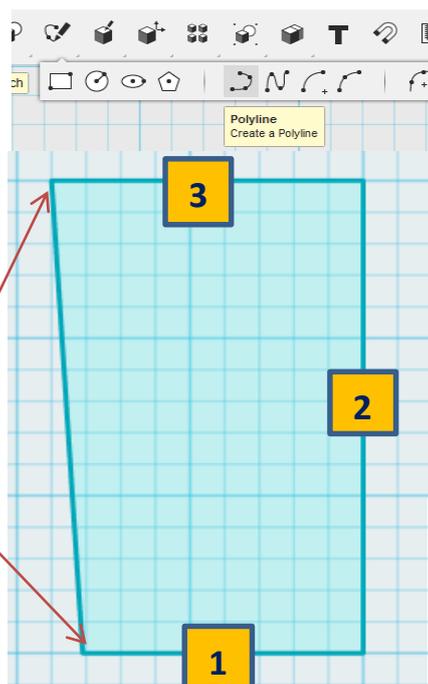
Use the pot noodle holder planning and measuring sheet to record measurements **1**, **2** and **3** needed for your design.

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

Use **Sketch Polyline** to draw this shape to the correct size from your measurement on the sheet above.

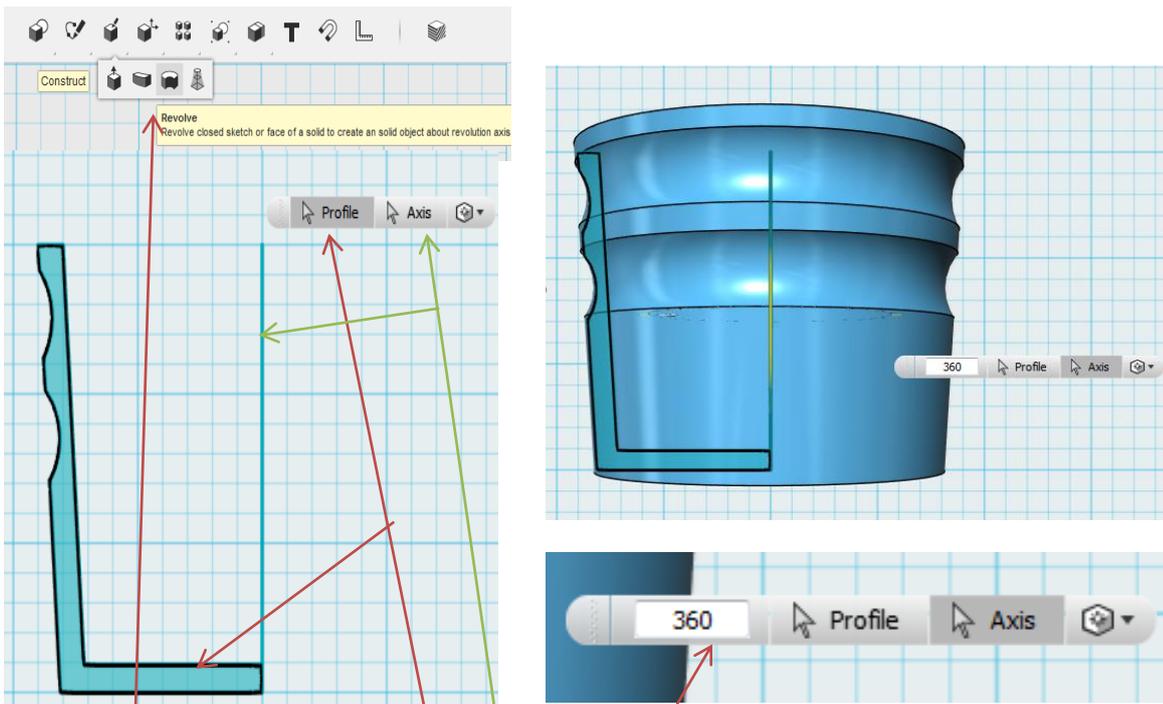
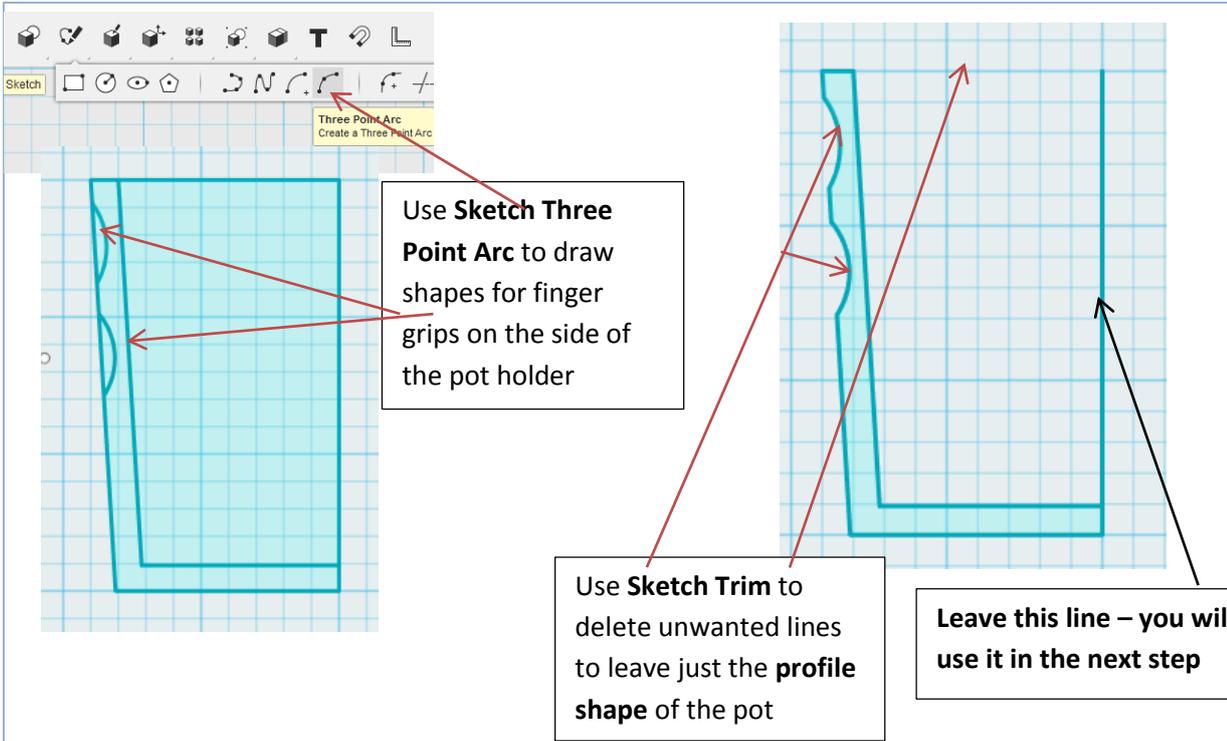
Start at this point and draw the lines **1**, **2** and **3** (using measurements on your sheet) and finish at this point

Then draw the line to join back up with your starting point



Use Sketch Polyline to draw a line 5mm inside which will represent the wall of the pot holder





Select **Construct Revolve**, click on **Profile** and then select your sketch, then click on **Axis** and select the axis line to revolve your profile round a full circle of 360° to make your pot holder.

Use the Move tool to turn your pot holder the right way up and to move it up to sit on the grid.

SAVE YOUR WORK!