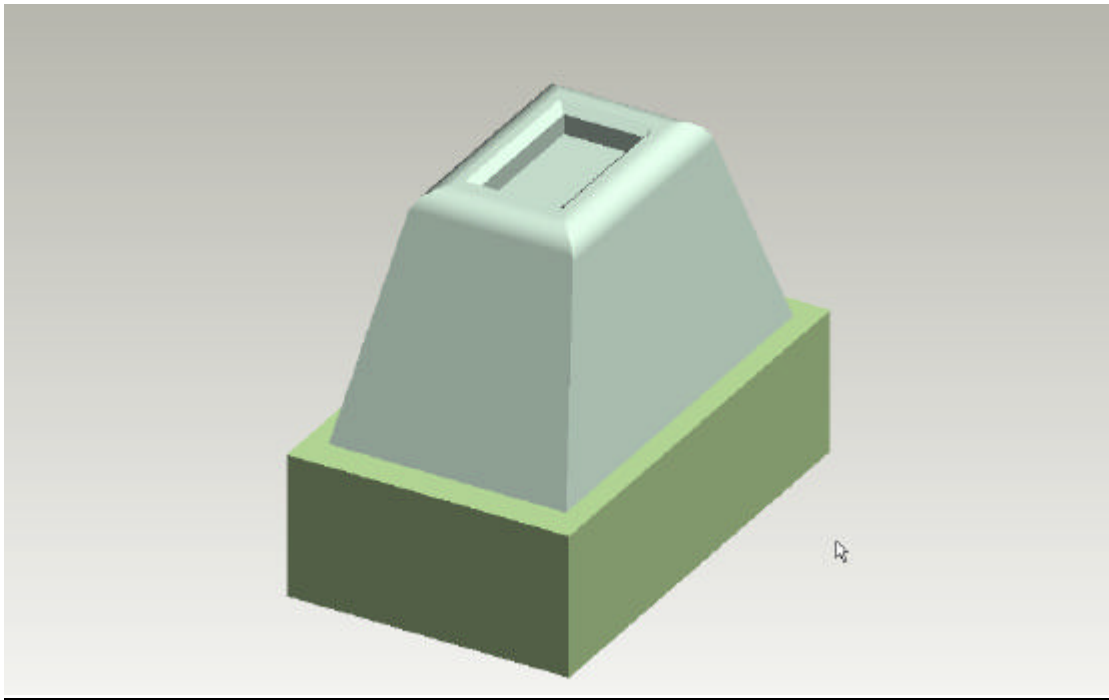


PRO DESKTOP



In this unit of work you will learn how to create the chocolate sweet shown above.

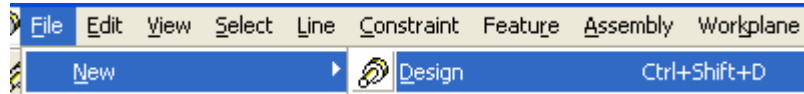
You will learn how to use some of the features on the toolbars shown below.

Toolbars & Menus

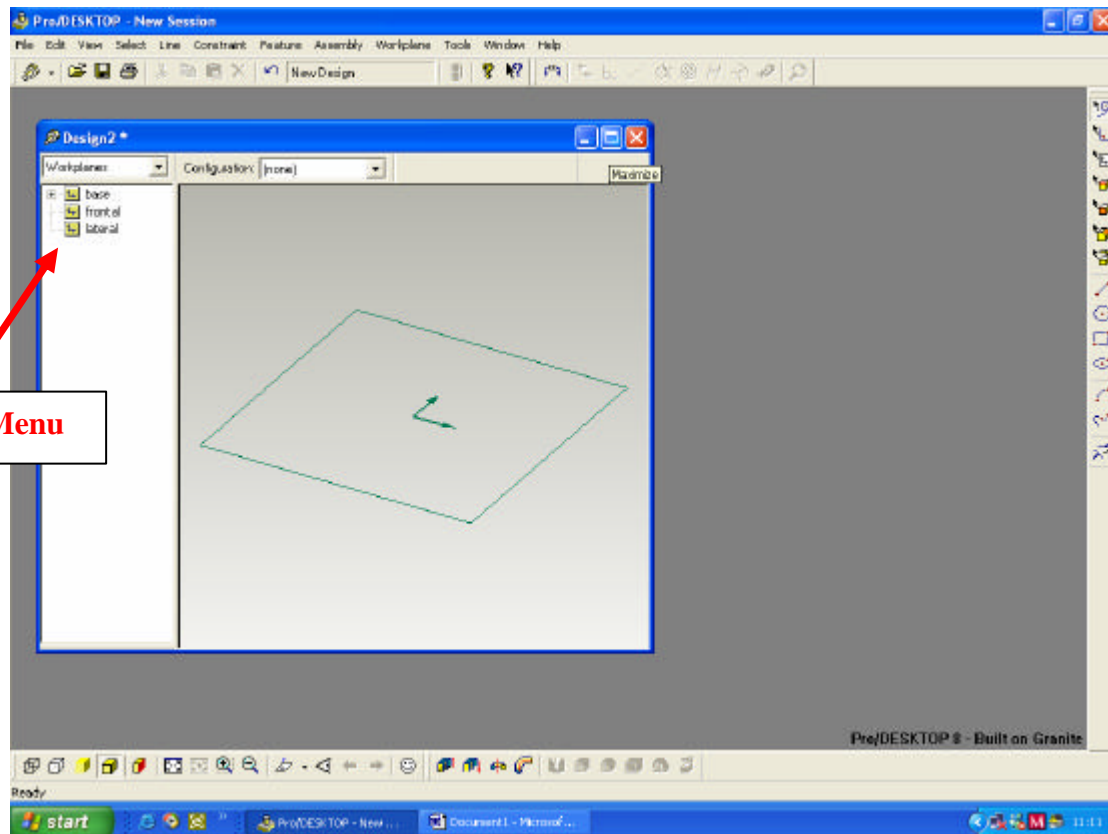


DESKTOP

To start a new design read the following instructions given. From the main toolbar at the top of the screen select **File >New >Design**

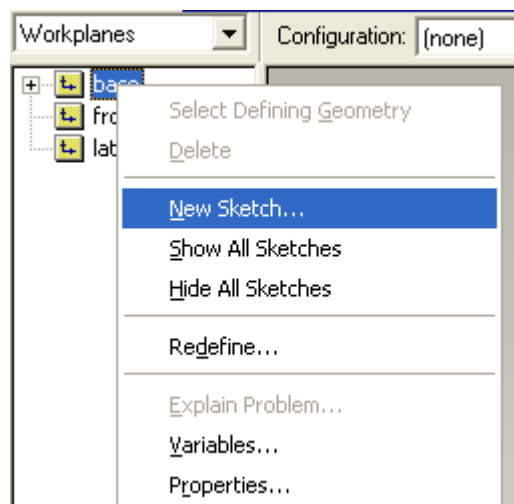


Maximize the view to full screen



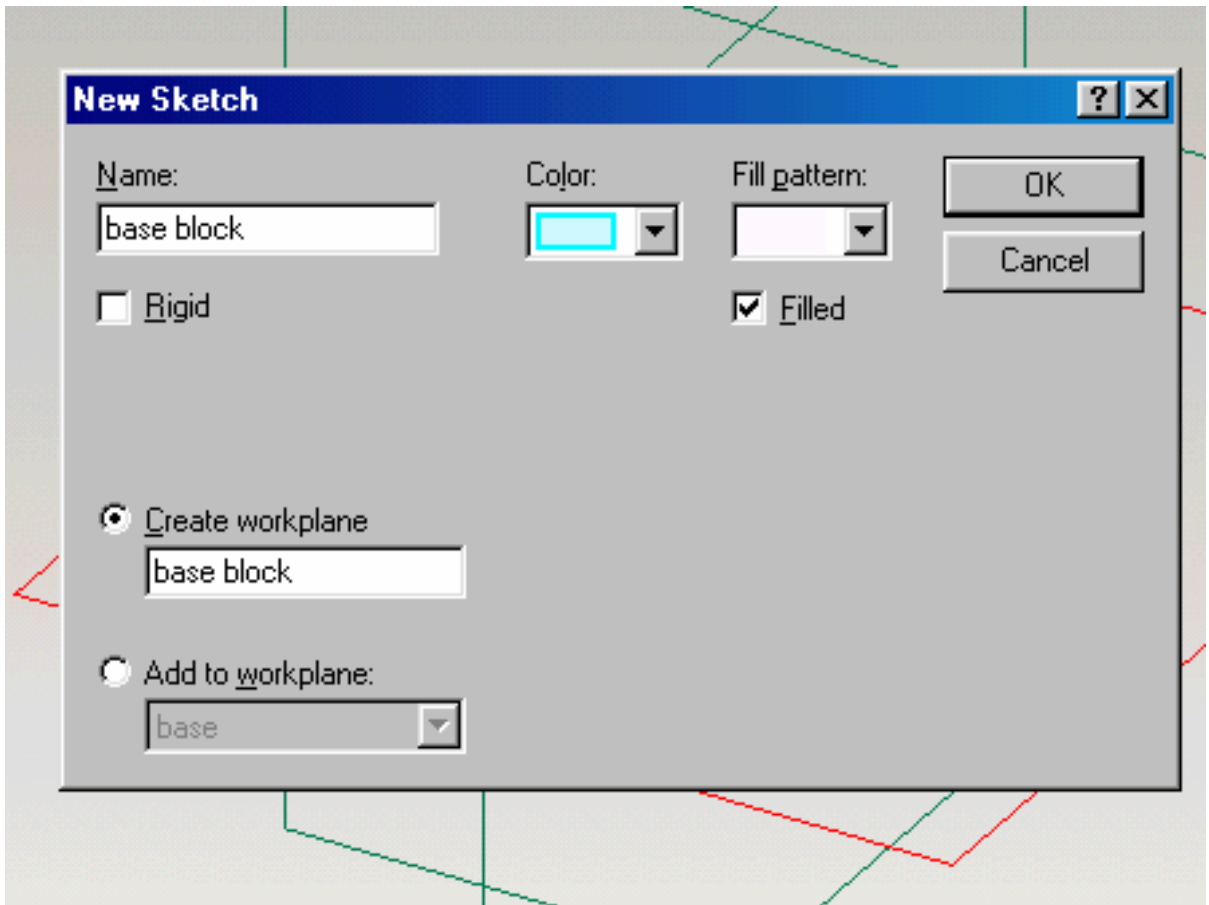
Browser Menu


Right click in **Browser Menu**



Select **New Sketch**; rename as **Base Block** as shown below, select **Create Workplane**; rename as **Base Block**.

Click .

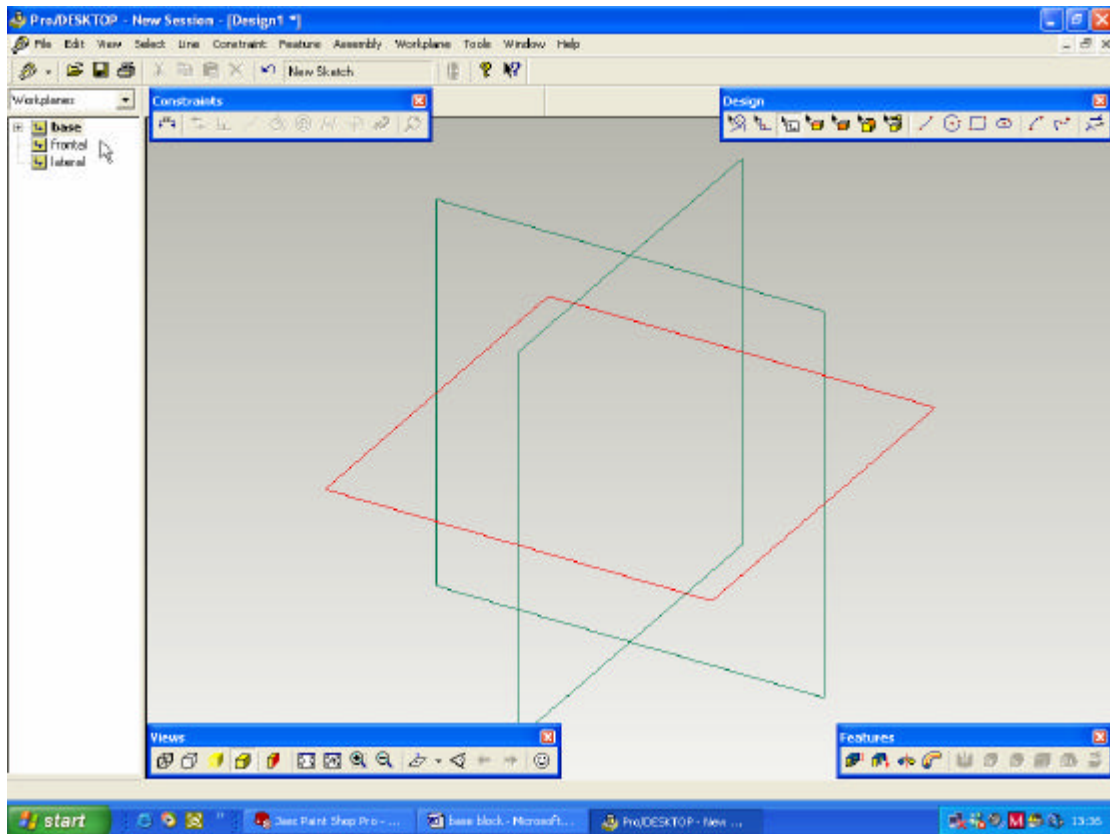



Delete the **Palette** toolbar by clicking the 'X'  on its top right hand corner.

Move the 4 toolbars onto the edge of window by clicking and dragging on the raised bar as shown below.



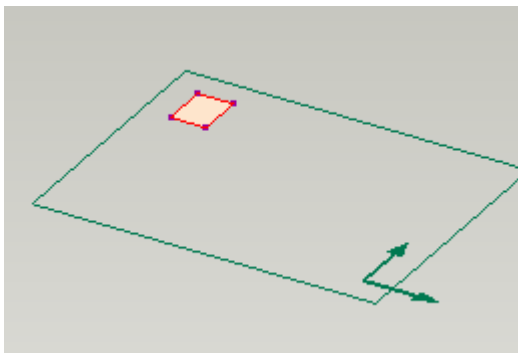
Your screen should now look like this,



Select the rectangle  from the **Design Toolbar**



Draw a very small rectangle 10 by 15 mm.



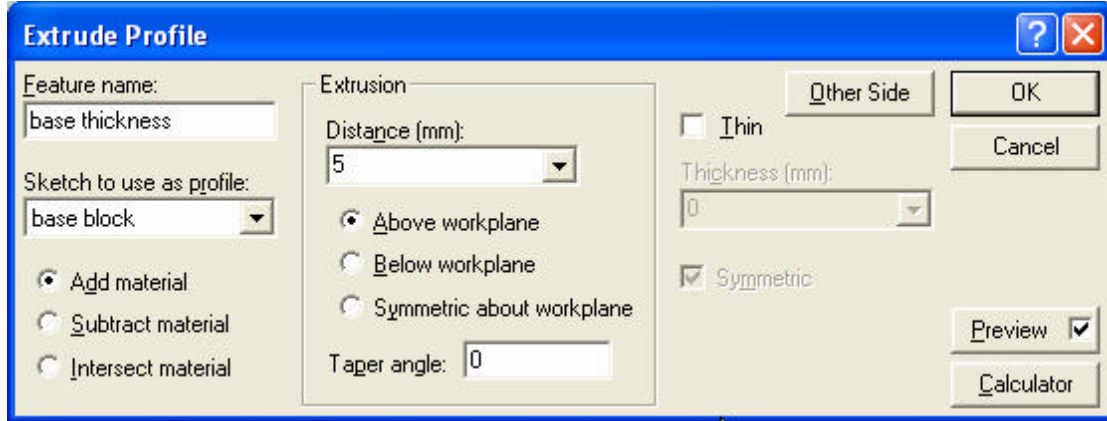
If you make a mistake, simply *undo* by pressing **Ctrl + Z**

Select **Autoscale**  from **Views Toolbar** and your rectangle will appear much

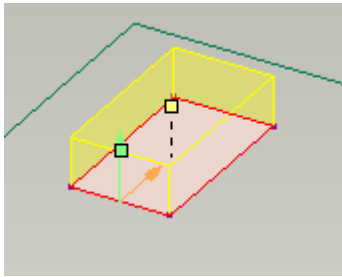
larger. You can choose a suitable size by using



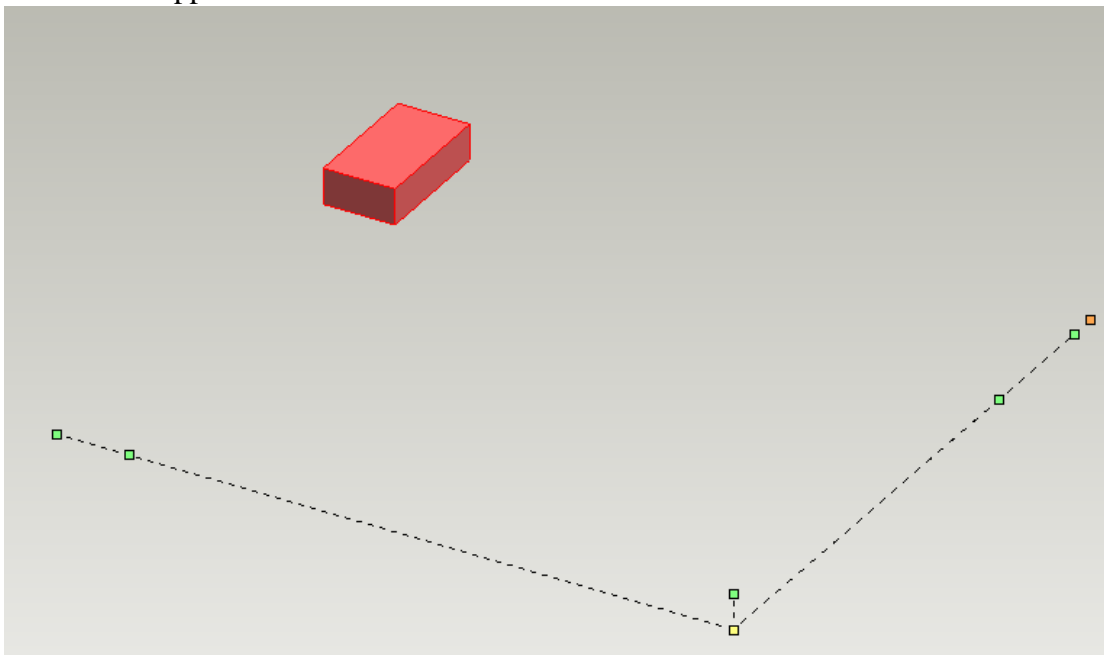
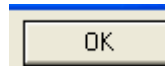
Select **Extrude** from the **Features Toolbar** and complete the **Extrude Profile** box as shown below.



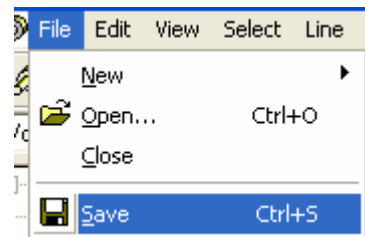
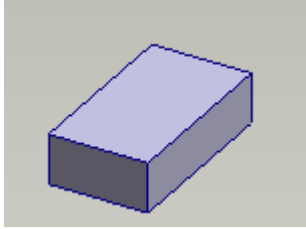
A preview of what your shape will look like appears on screen.



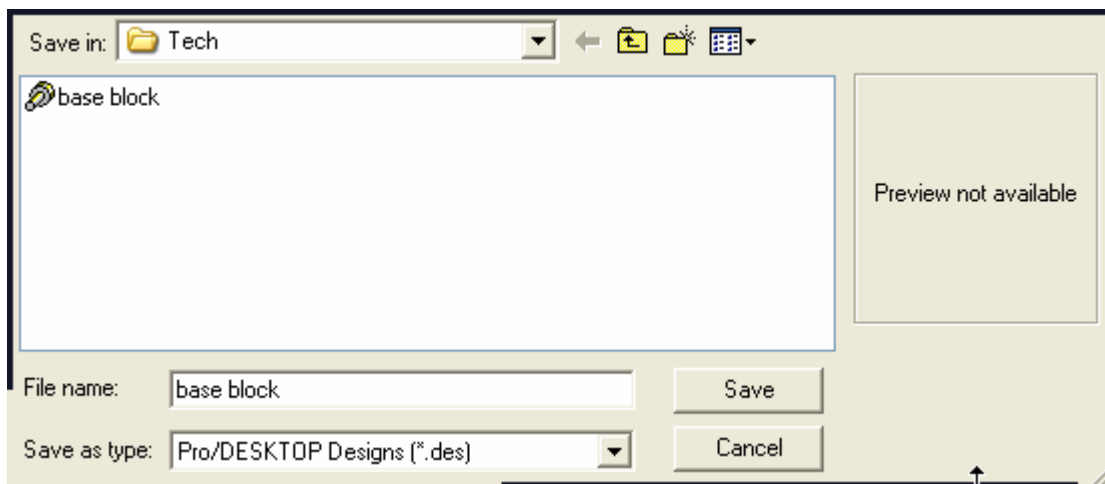
Then click **OK** if preview is correct. Screen then appears as below.



Click grey area on screen and your view will appear as below.

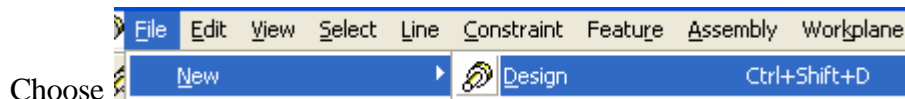



It is now time to save your block in your Tech Folder. **Ctrl. + S.** You must save the drawing in your **TECH FOLDER.**



You now have a component called '**Base Block**' in your **Tech Folder** this will be the base for all your chocolate pieces, only the tops will change.

Close your '**Base Block**' file by using  **DO NOT SHUT DOWN PRO\DESKTOP.**

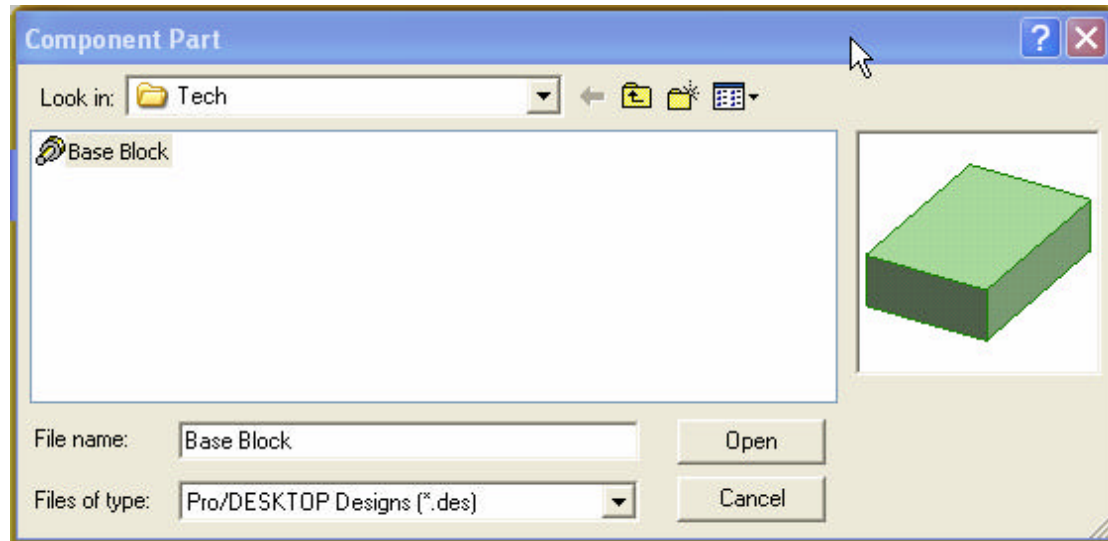


Then **Maximize** the window by selecting  the square.



Go to **Assembly Menu**

Choose



Your Base Block will appear on screen, click on **Autoscale** from the **Views Toolbar**



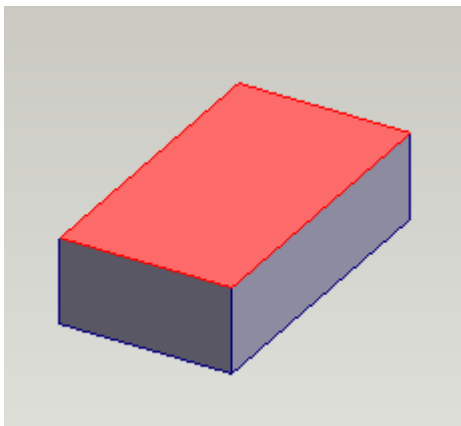
then adjust to size using



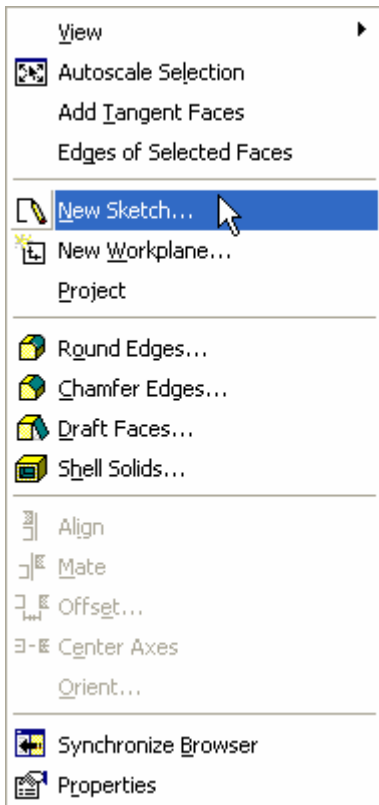
from the same menu.



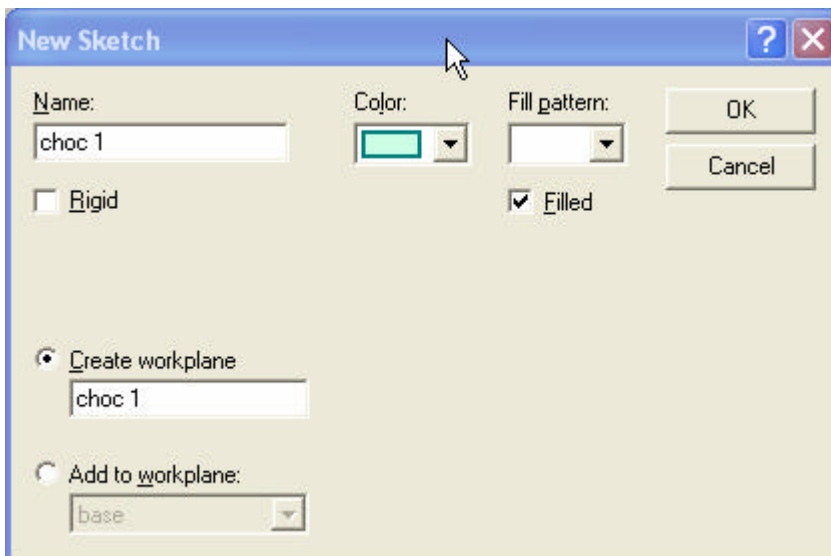
On the **Design Toolbar** select **Select Faces** and move your cursor near the top surface of the cuboid and a line will appear round the rectangle. Click and the surface will change colour.



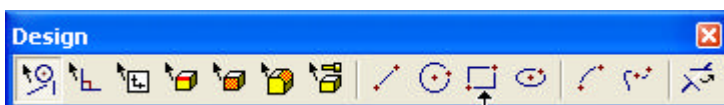
Right click on the highlighted surface, and select **New Sketch** from the drop down menu.



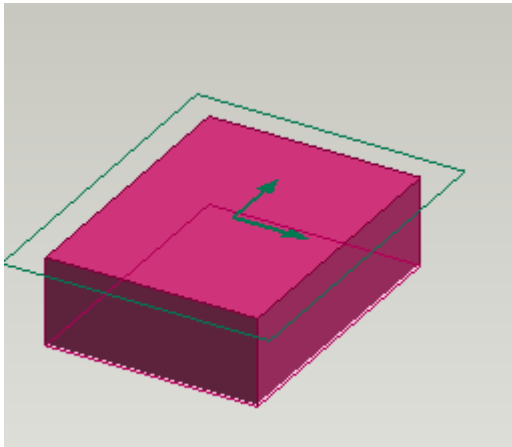
Complete the sketch box as shown below.



Click . Select the **Rectangle** tool  from the **Design Toolbar**



Your screen should look like this.

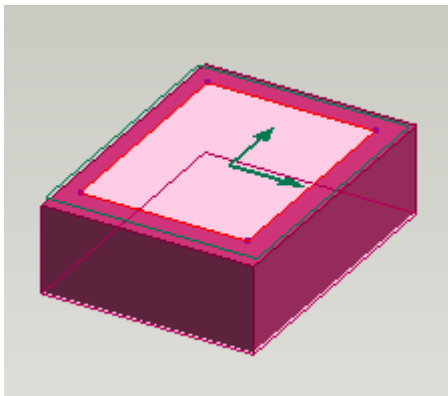



Draw a rectangle about 2 mm smaller than the top surface.

If it turns out wrong select the **Undo** button  or **Ctrl + Z** from the toolbar at the top of the screen.



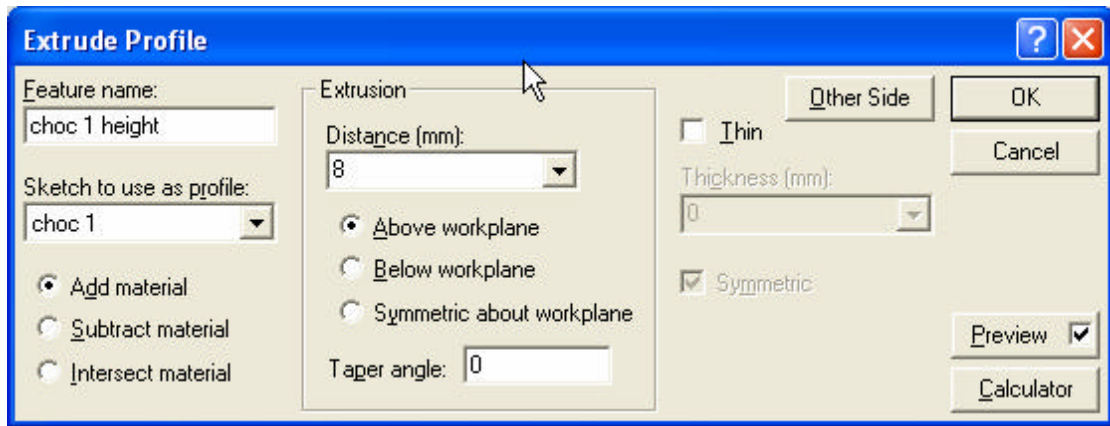
Your screen should look like this after you have drawn the Rectangle.



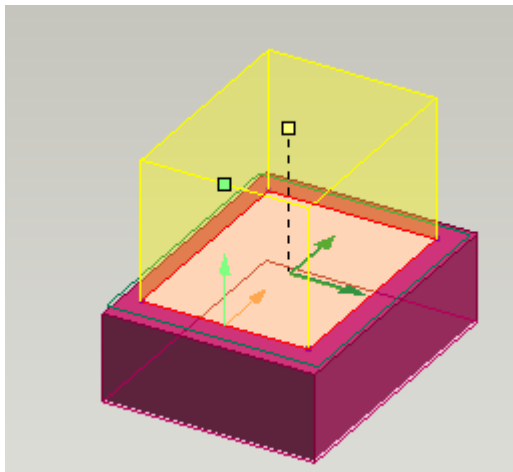
Now add thickness as before, select the **Extrude Profile**  tool from the **Features Toolbar**.



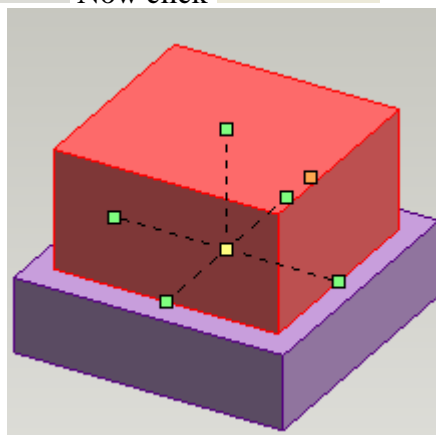
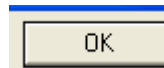
Extrude Profile box appears, complete as shown in the box.



A preview of the extrusion appears on screen like the one below.

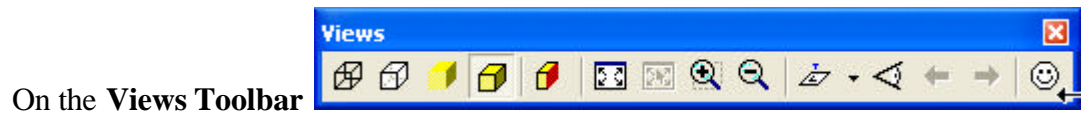
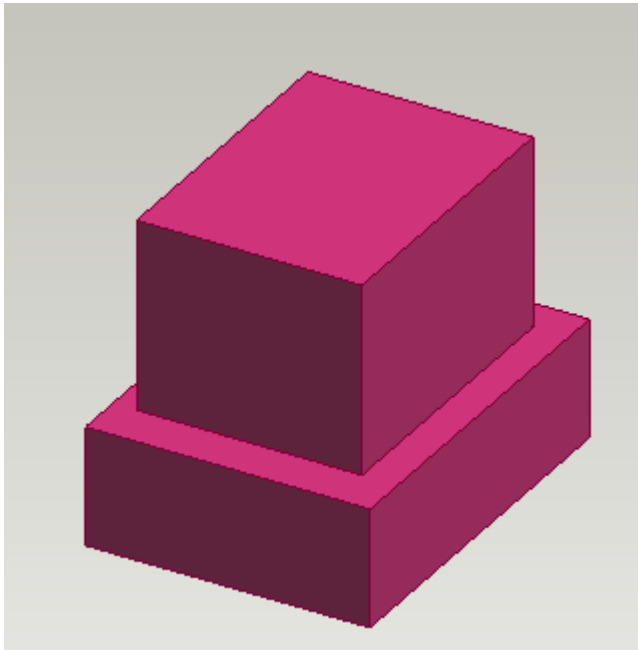




Now click



Your screen now appears like this.

Click on grey area of screen, drawing will appear as below.

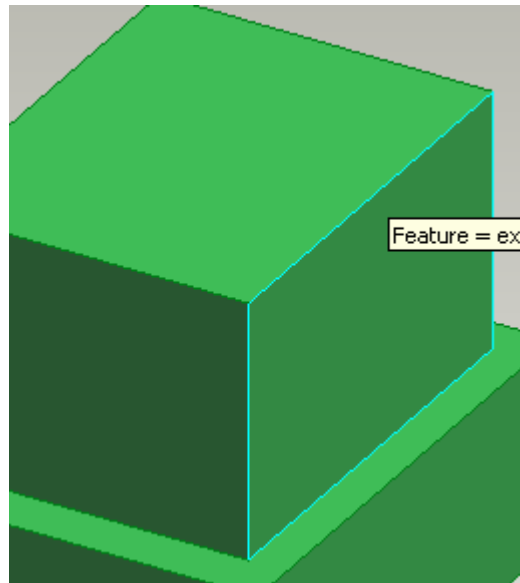


click on **Autoscale** or **Shift + A**,  then  to adjust the size of your shape.

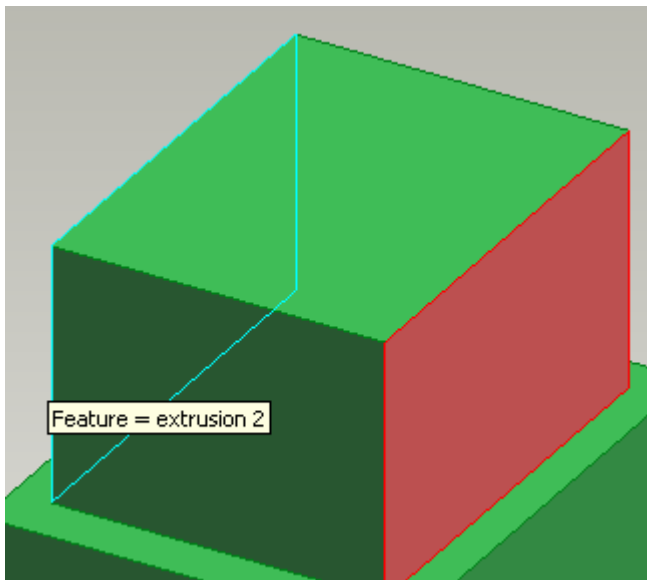
On the **Design Toolbar**



Select **Faces**



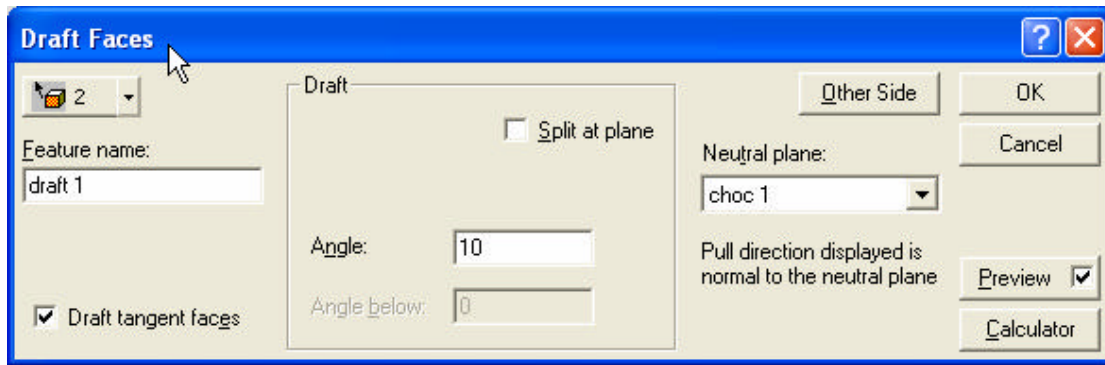
Select the long upright side, then hold the **Shift** key and select the other long side. The sides are highlighted as shown.



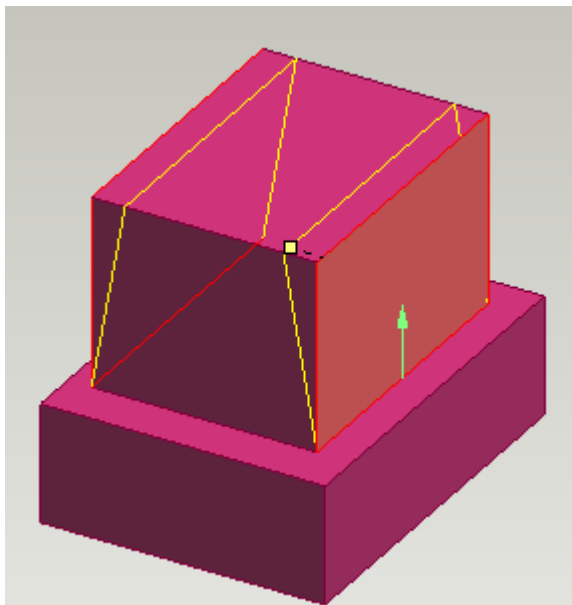
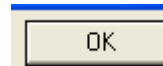
Select **Draft Faces** from the **Features Toolbar**



Complete the **Draft Faces** box as shown.



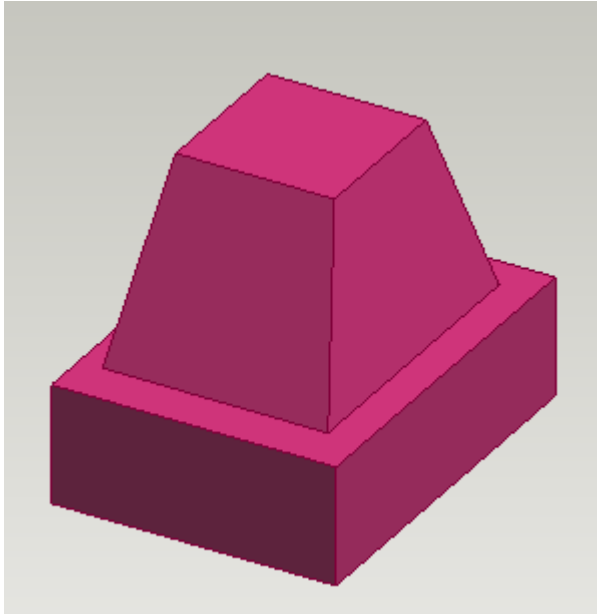
A preview should appear as shown below, if it is alright click

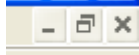




Save your drawing as **Choc Block** in your Tech Folder.

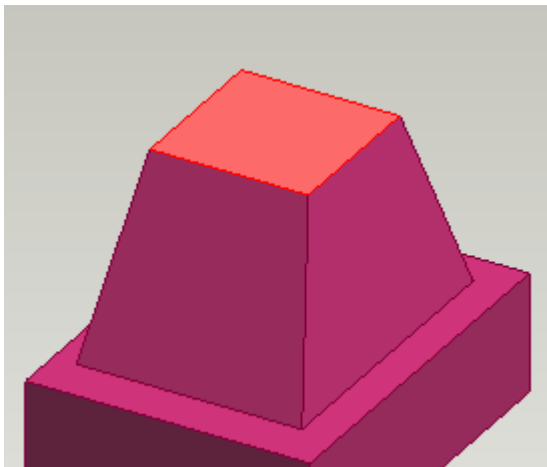
Repeat the procedure from **Page 12** to angle the other **2** sides.

If you have successfully completed the procedure your screen should appear as below. Remember to click on the grey area of the screen to see the proper view.

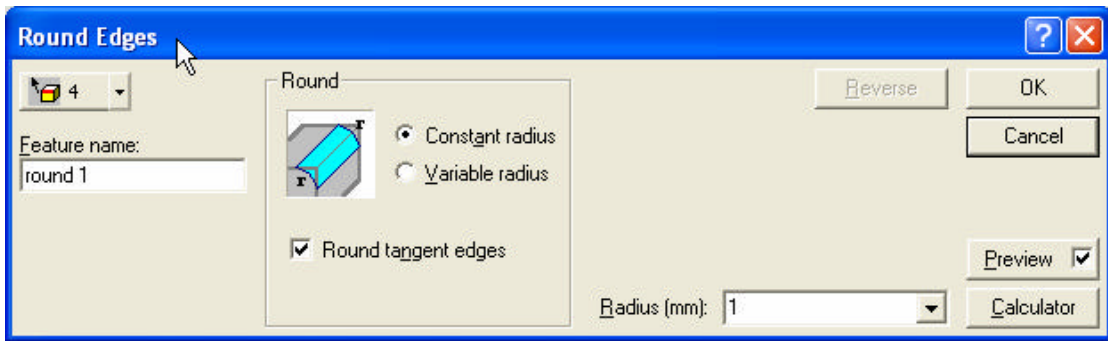


It is a good idea to save your work regularly, that way if you make a mistake you can close down the drawing by clicking on 'X'  then open up the drawing again.

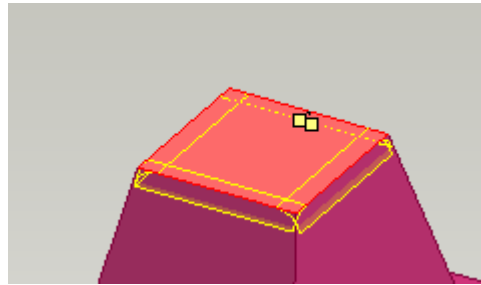
On the **Design Toolbar**, **Select Faces**  or just type 'F' on the keyboard this will select  for you. Select the top surface, it will change colour as seen below.

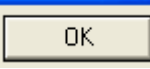


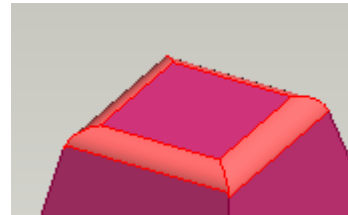
On the **Features Toolbar** select **Round Edges**  and complete the **Round Edges** box.



A preview will appear as shown

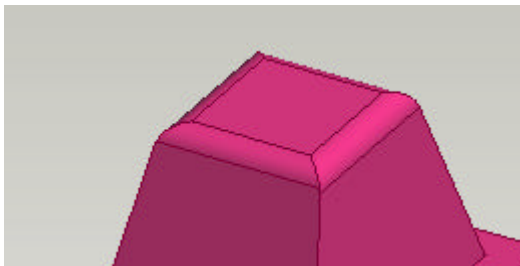


Click  if happy with preview.

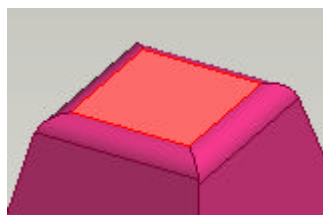


Your screen will display the view opposite .

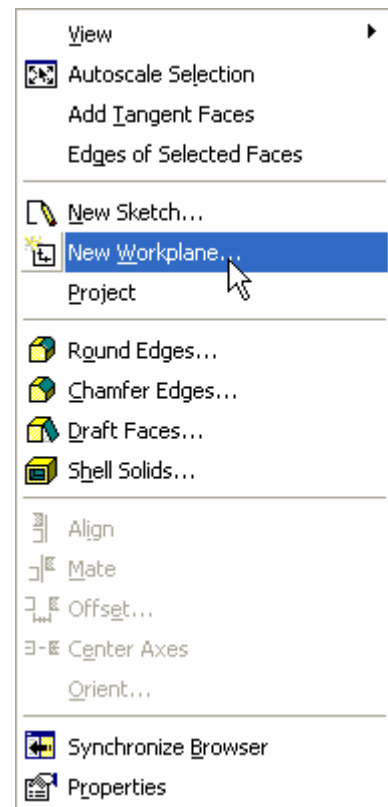
Click on grey area of screen to deselect and your screen will display the view below.



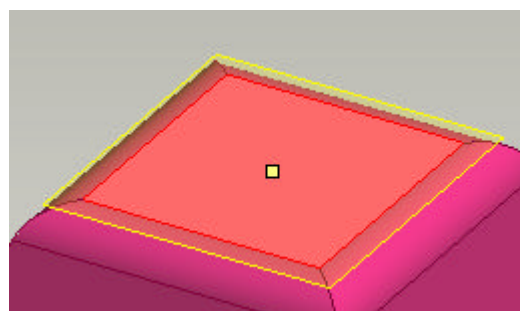
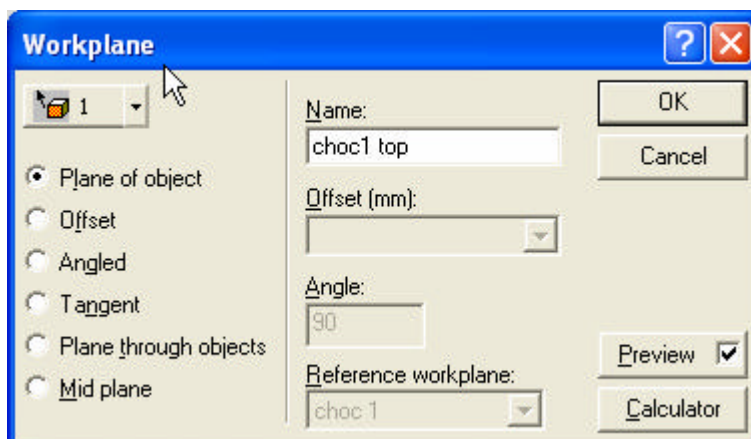
On the **Design Toolbar** select **Faces**  or type 'F', select the top surface shown.



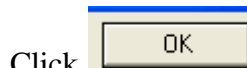
Right click on highlighted surface and select **New Workplane**



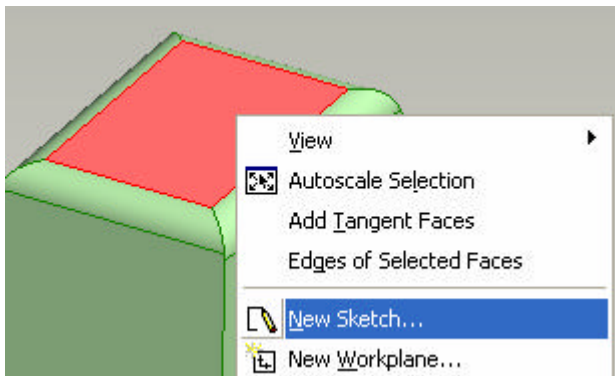
Complete **Workplane** Box as below.



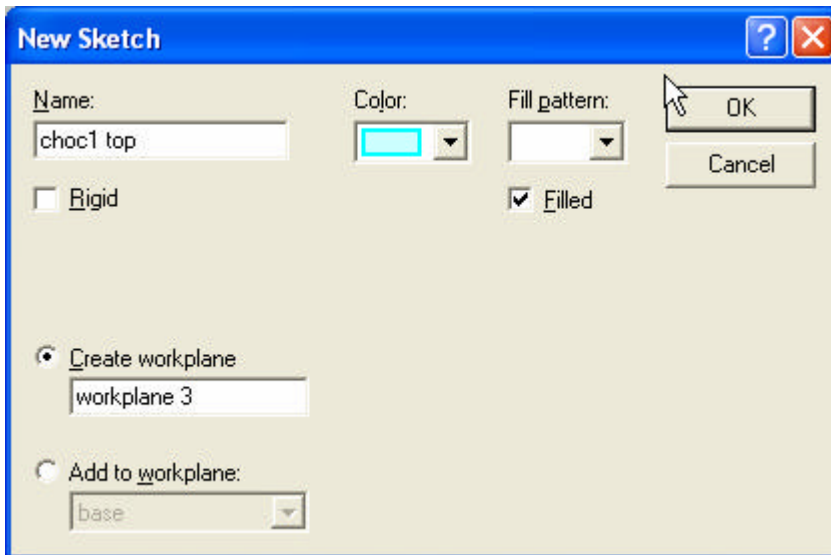
Preview should appear as on right



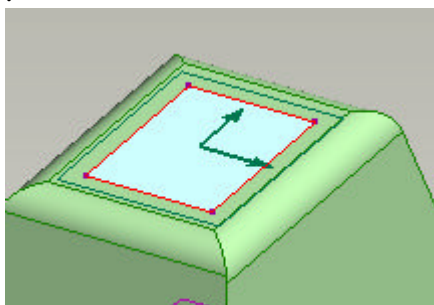
Click **Right** click on top surface and choose.



Complete the **New Sketch** box as shown below.

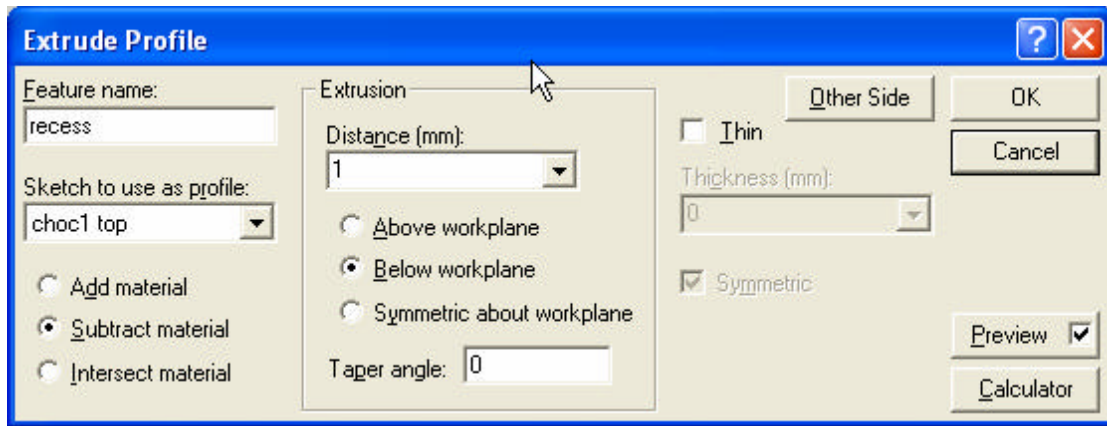


Select from the **Design Toolbar** and draw a small rectangle inside top.

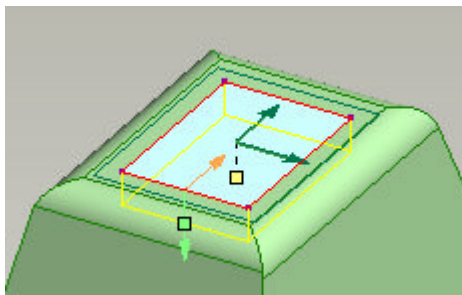




Select **Extrude Profile** from **Features Toolbar** and complete the **Extrude** box as shown.



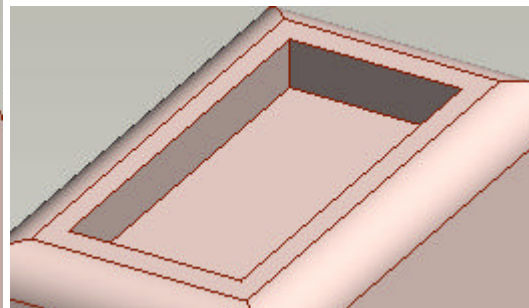
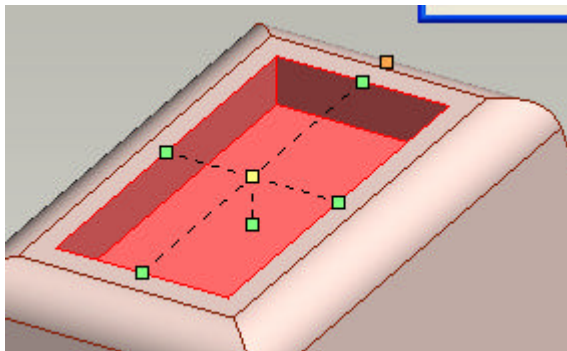
A preview will appear on screen as shown below.




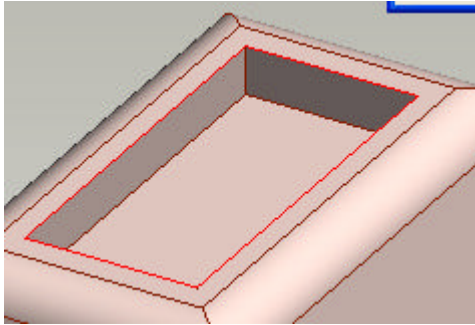
Click  if satisfied with preview.

Click on grey area of screen. Your screen should now look like the one below.

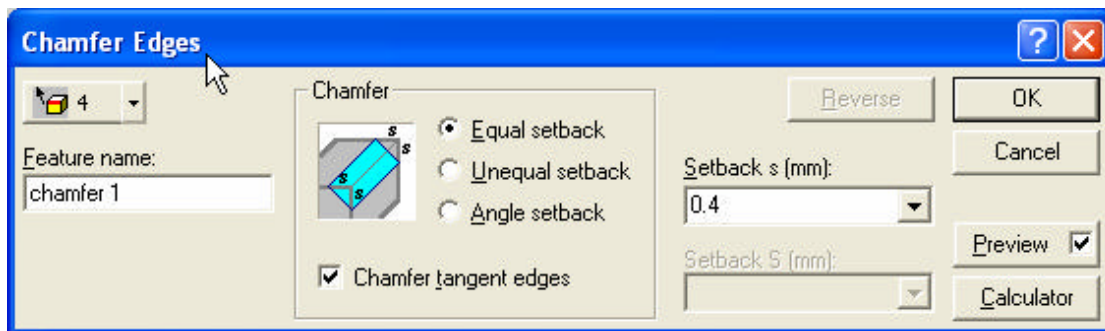
Click on grey area of screen again and it should look like far right below.

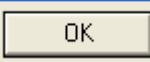


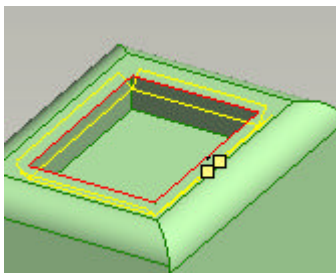
Select **Edges**  from **Design Toolbar**. Hold **Shift** and select the **4** edges shown.



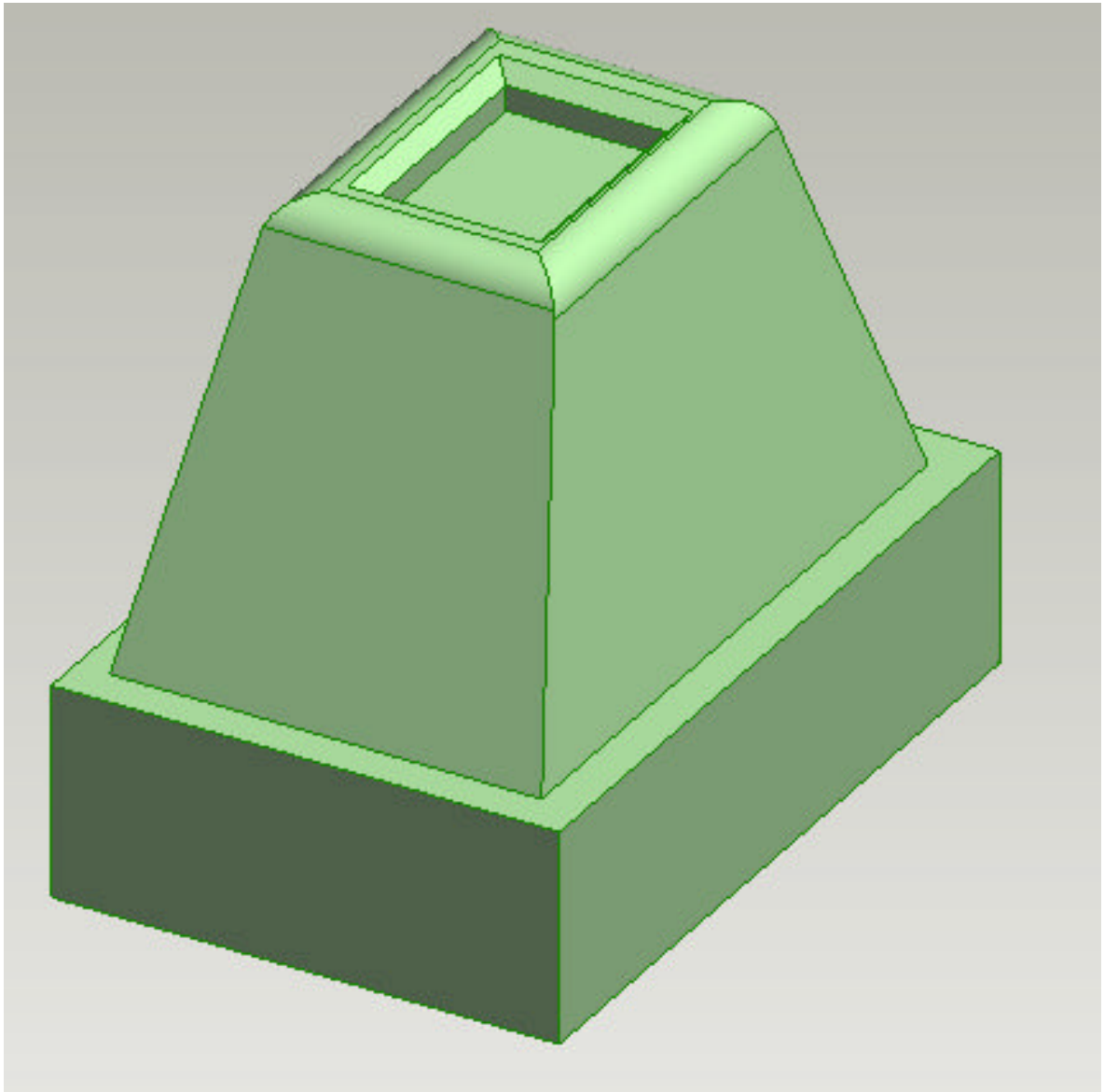
Select **Chamfer Edges**  from the **Features Toolbar** and complete the **Chamfer Edges** box as shown.



Click  after the preview shown below.



Click grey area of screen and your chocolate is complete as shown on the next page.



Congratulations!!!!!!!!!!!!!!