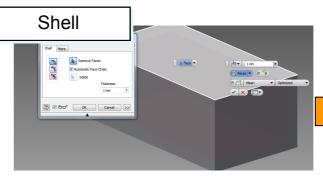
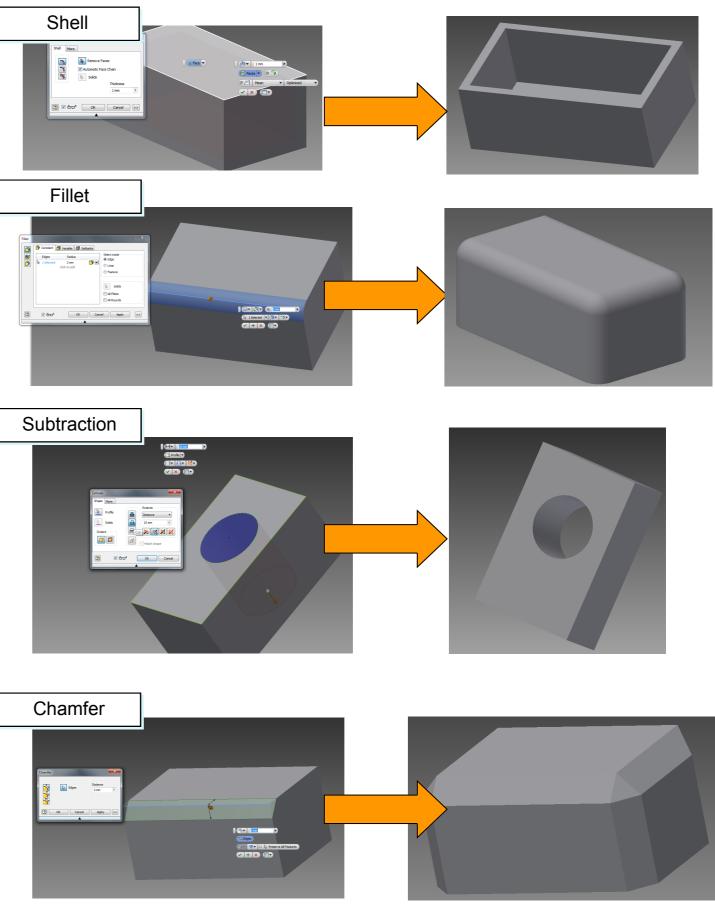
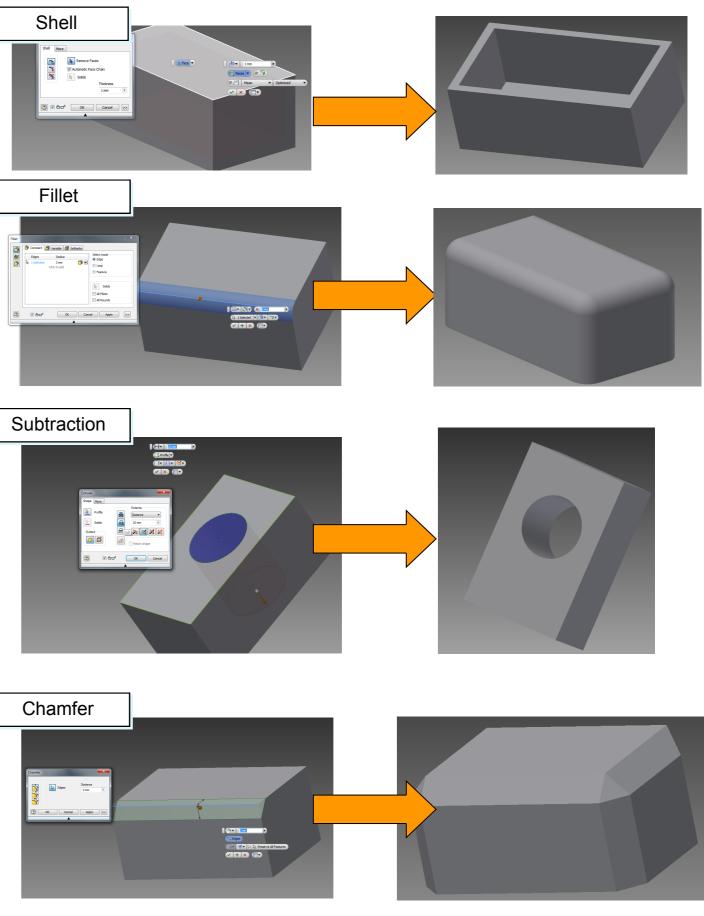
## **3D Modelling Homework Tutorials**

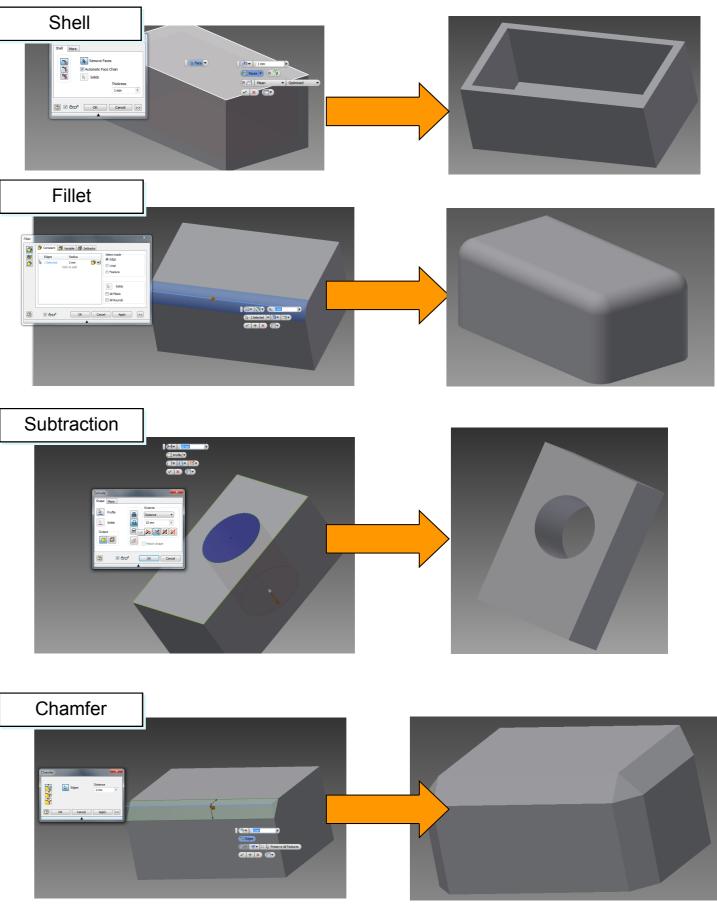
The following tutorials require you to apply your knowledge of 3D modelling. Look at each *Production* Drawing carefully and describe the processes required, using sketches to support your answers. The techniques and edits you need to know are shown on this page, and more detailed explanation is provided within the **Revision Booklet**.

## **Edits:**

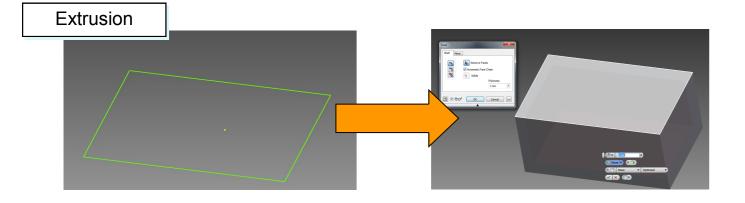


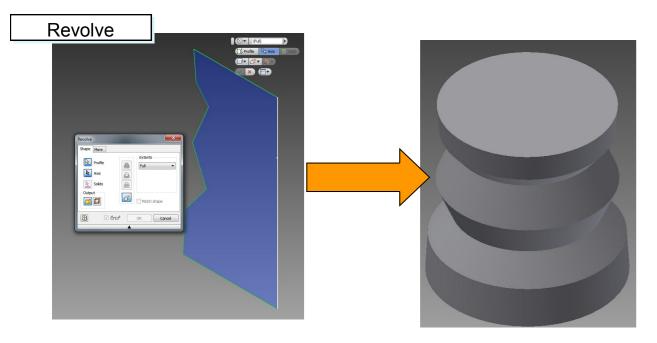






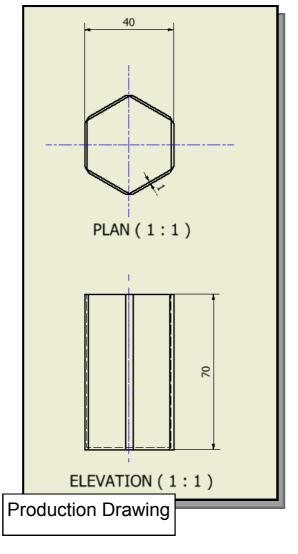
## Techniques;



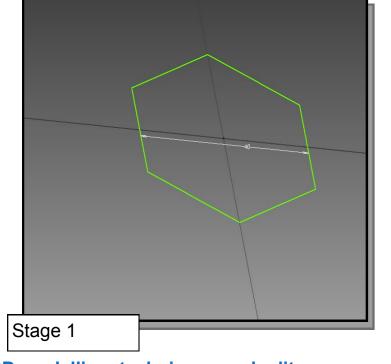


3D modelling techniques and edits

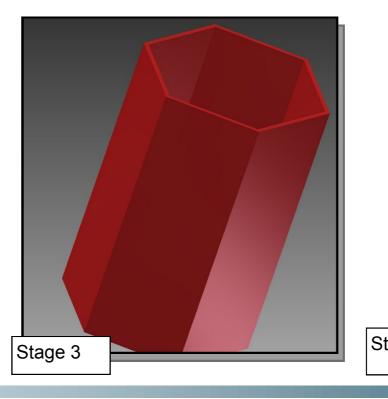
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model below. Support your answer with sketches.



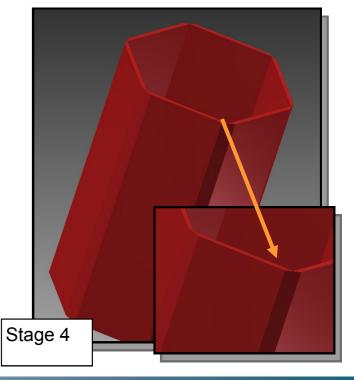
<u>Descrip</u>	tion of model production:
Stage 1	:
Stage 2	
Stage 3	:
Stage 4	



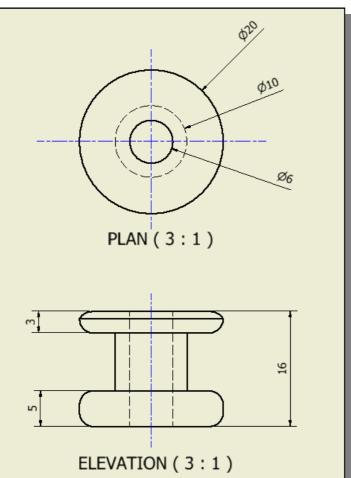
 Stage 2



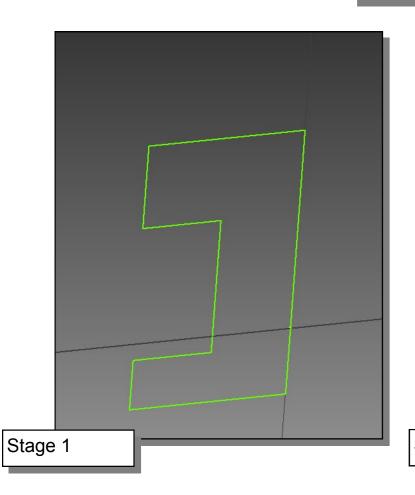
**3D modelling techniques and edits** 

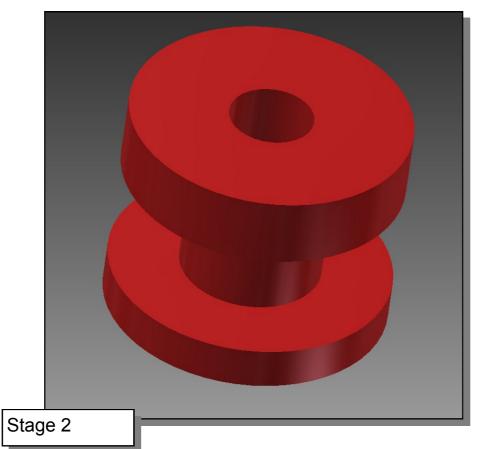


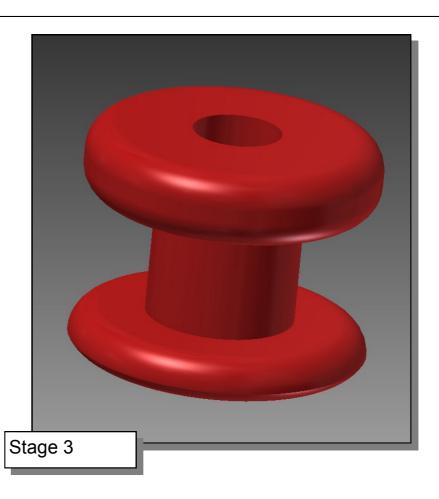
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model below. Support your answer with sketches.

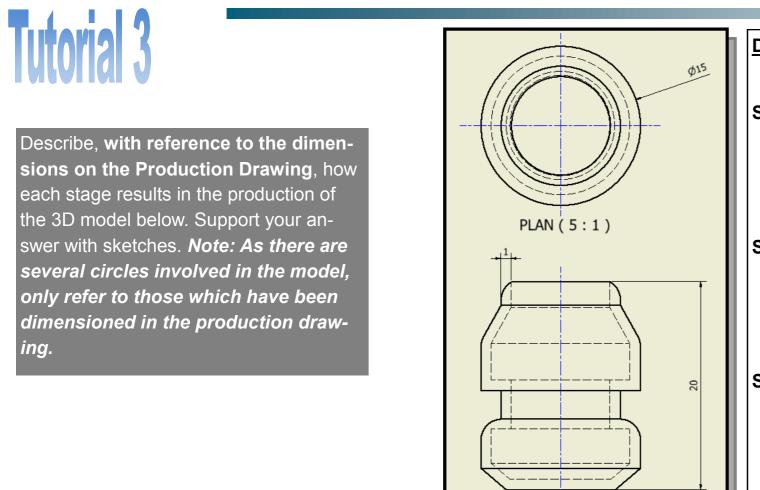


Descript	tion of model production:
Stage 1:	
Stage 2:	
Stage 3:	

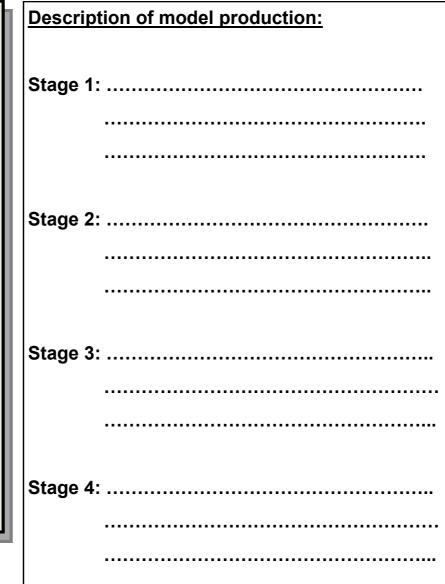


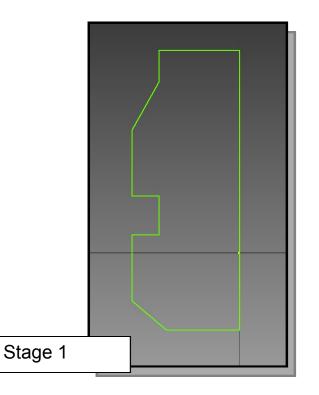


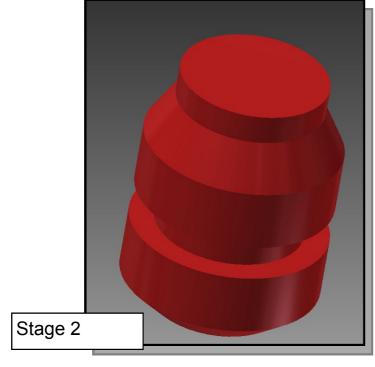




Production Drawing

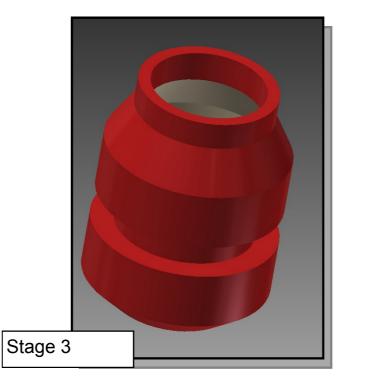


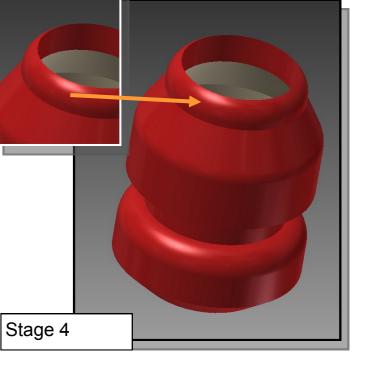




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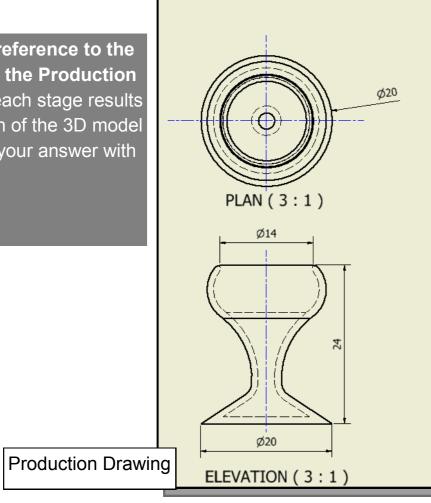
ELEVATION (5:1)



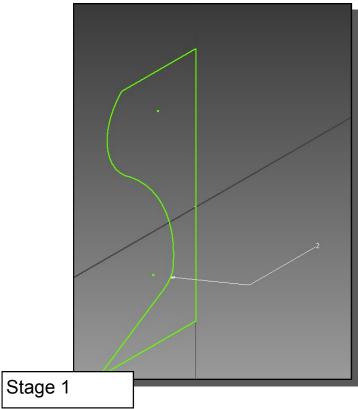




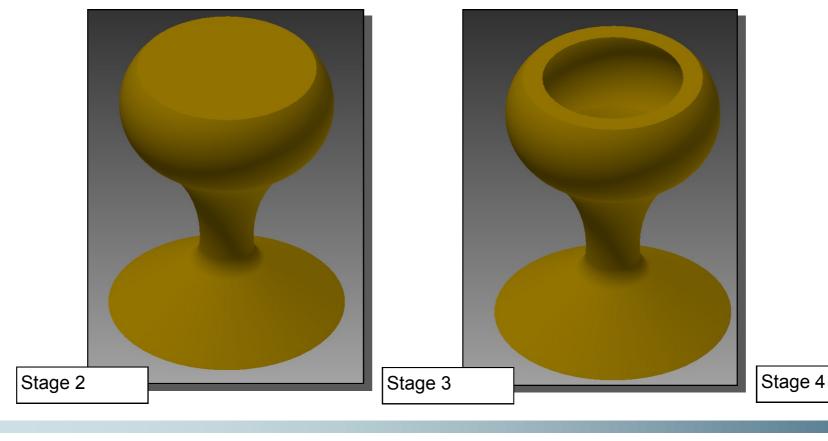
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model below. Support your answer with sketches.



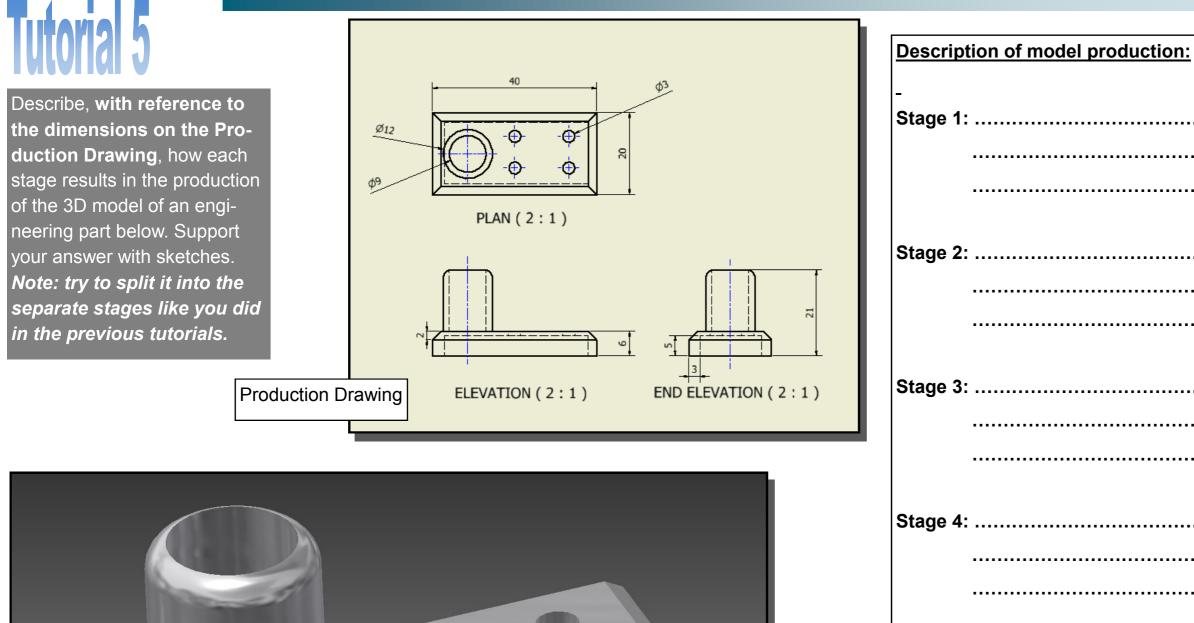
**Description of model production:** Stage 1: ..... ..... Stage 2: .... ..... ..... Stage 3: .... ..... ..... Stage 4: .... .....

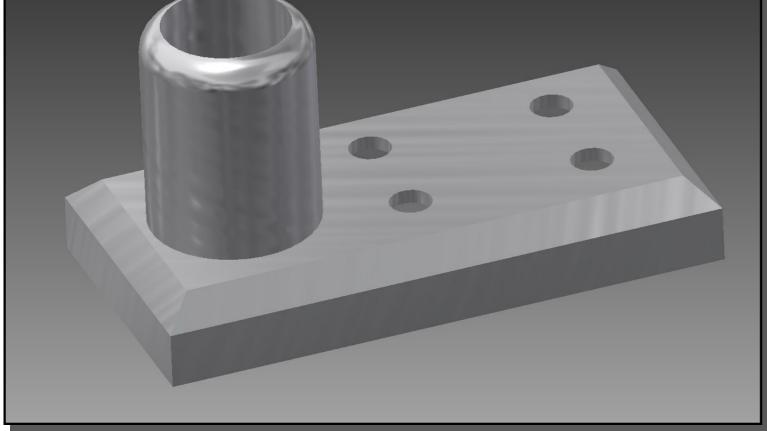


3D modelling techniques and edits



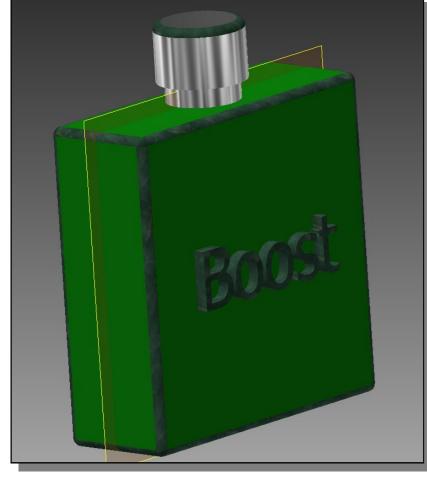


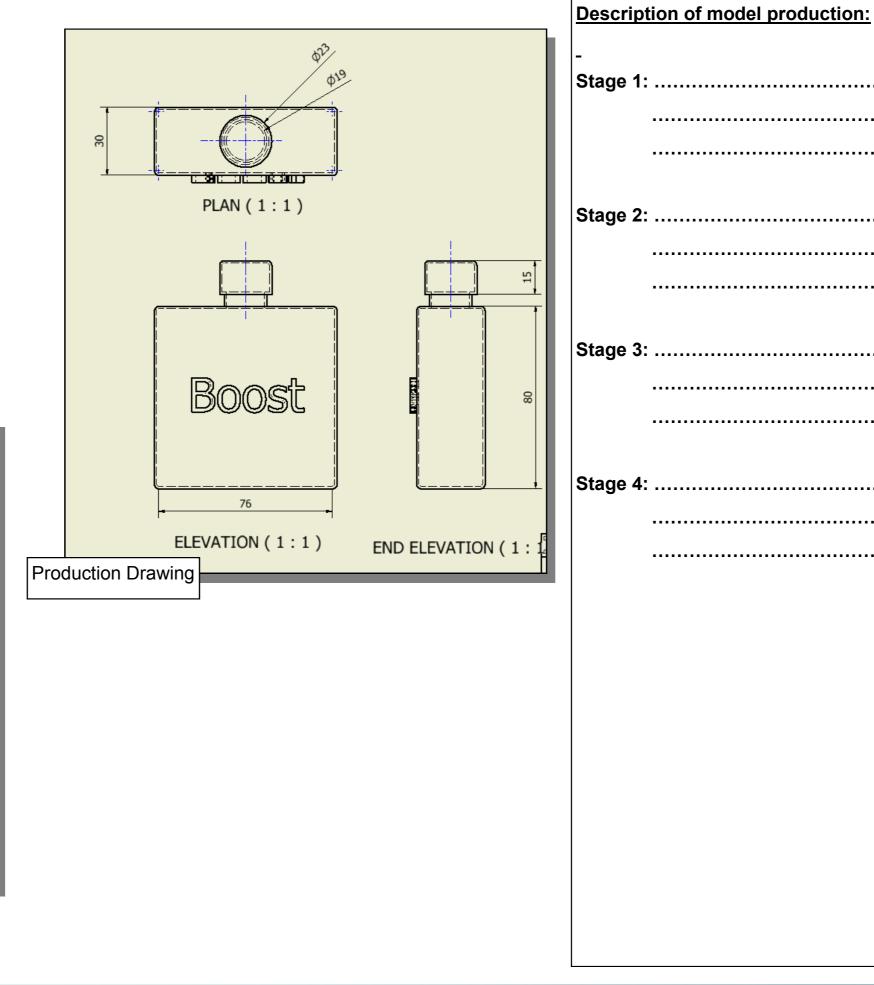




3D modelling techniques and edits

Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of an aftershave bottle below. Support your answer with sketches. Note: try to split it into the separate stages like you did in the previous tutorials.

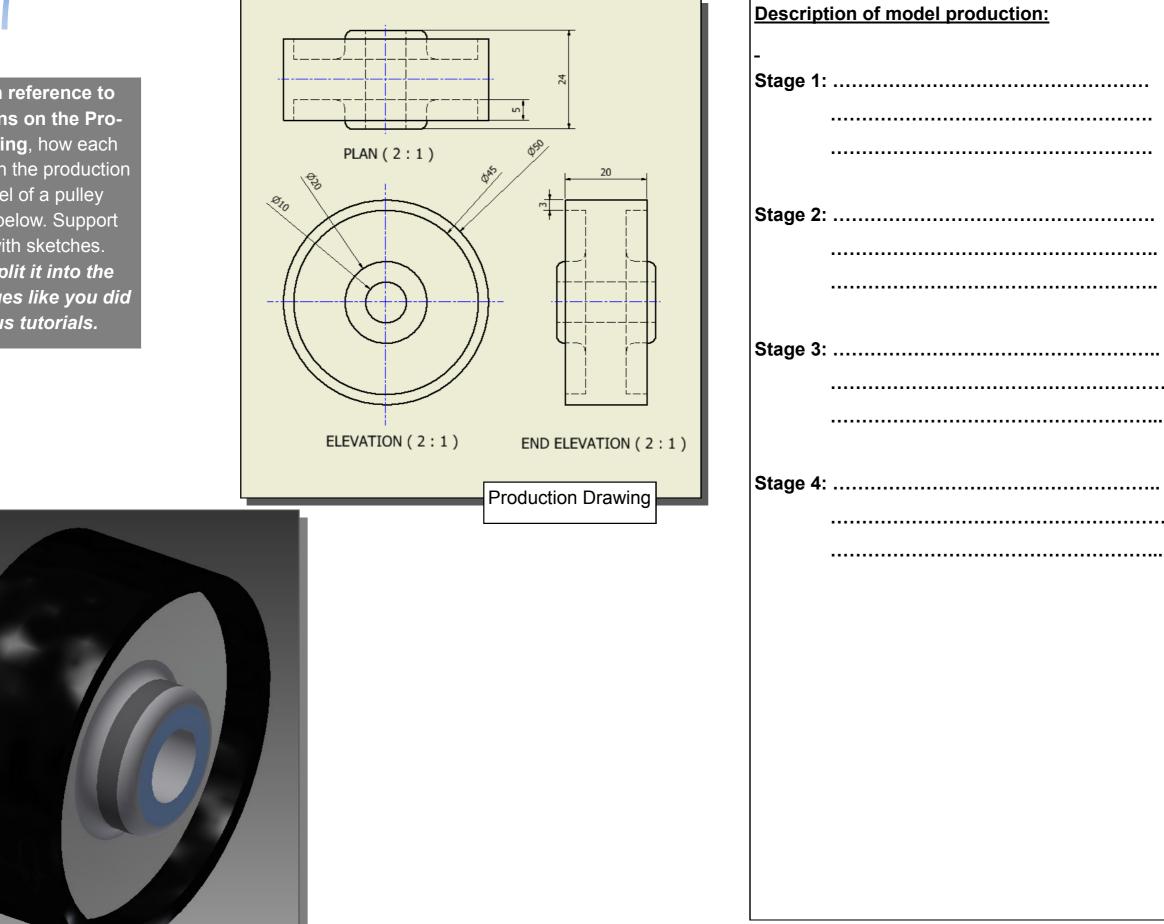




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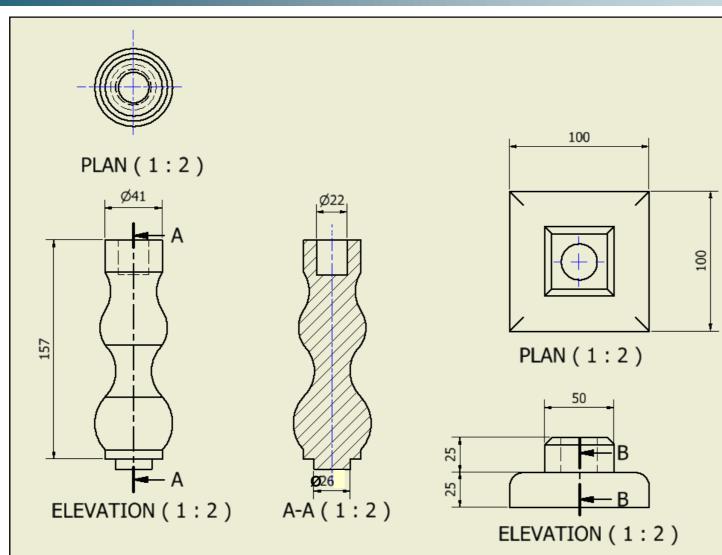
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of a pulley wheel shown below. Support your answer with sketches. Note: try to split it into the separate stages like you did in the previous tutorials.

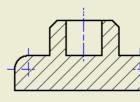




Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of the table light stand below. Support your answer with sketches. Describe how the parts would be put together to form an ASSEMBLY.

NOTE: ARRIVE AT A SUITA-BLE SIZE FOR THE HOLE IN THE BASE WHICH HOUSES THE VERTICAL STAND.

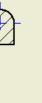


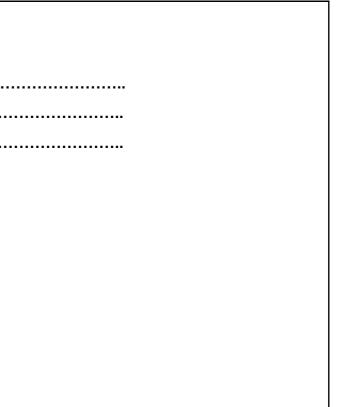


B-B(1:2)

	Description of model production:		
Base	- Stage 1:	Stage 4:	
	Stage 2:		
	Stage 3:		
Vertical stand Assembly			
3D modelling techniques and edits			

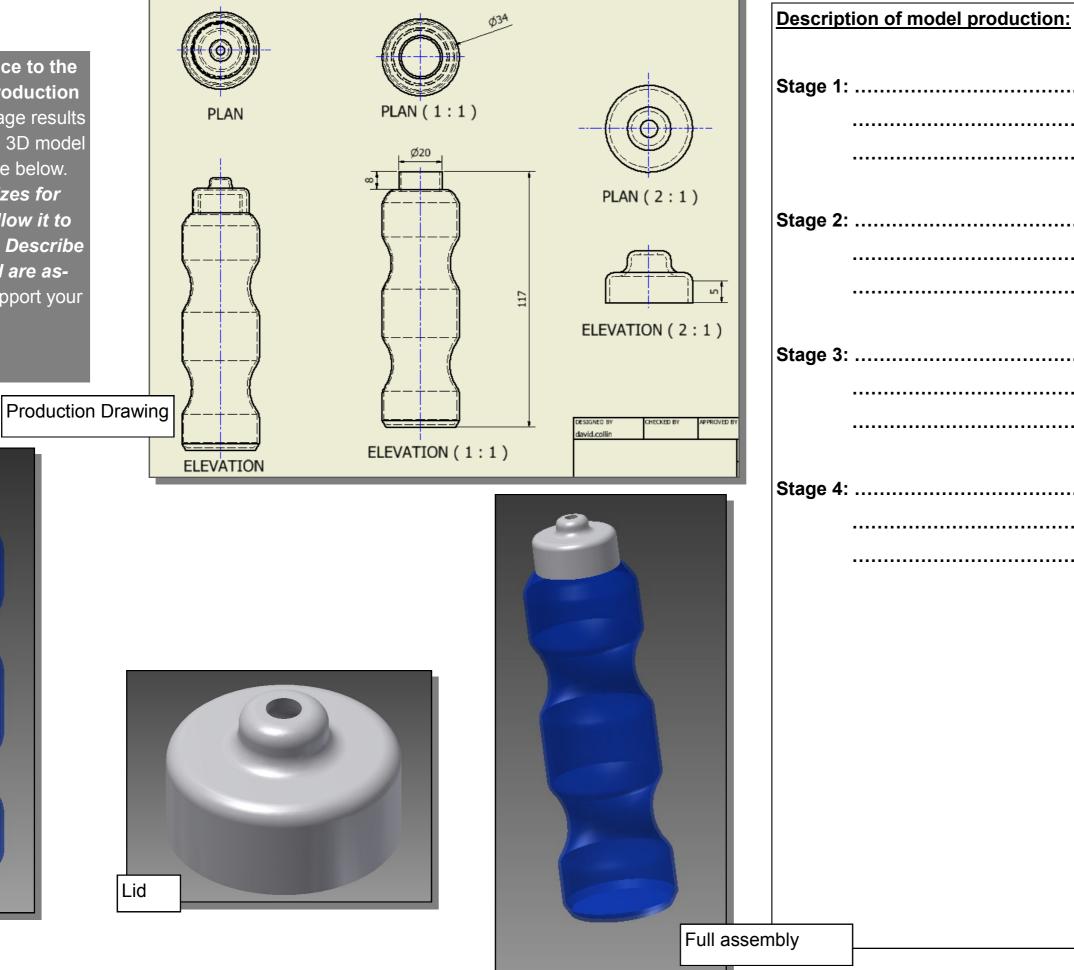








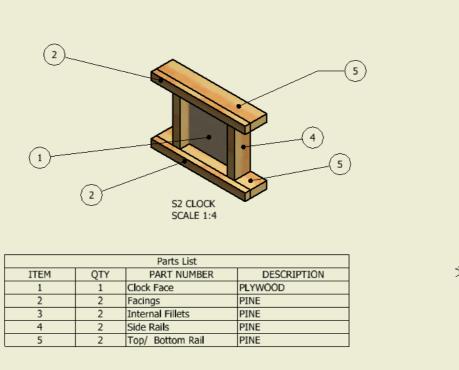
Describe, with reference to the dimensions on the Production **Drawing**, how each stage results in the production of the 3D model of the sports drink bottle below. ARRIVE at suitable sizes for the bottle lid which allow it to fit on the bottle itself. Describe how the bottle and lid are assembled together. Support your answer with sketches.

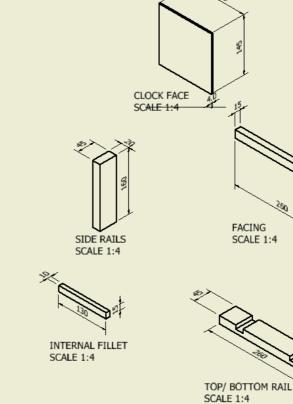


Bottle

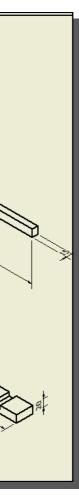
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of the wooden clock below. Add suitably-sized hands and describe how you would make them as a 3D model including dimensions. Describe how the clock is assembled. Support your answer with sketches.

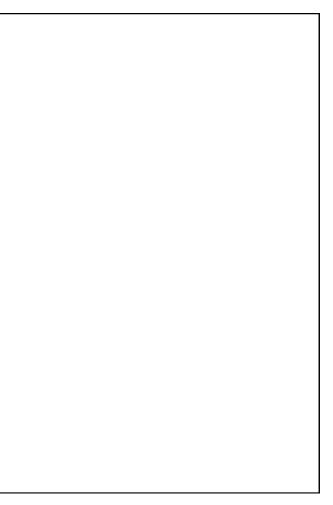






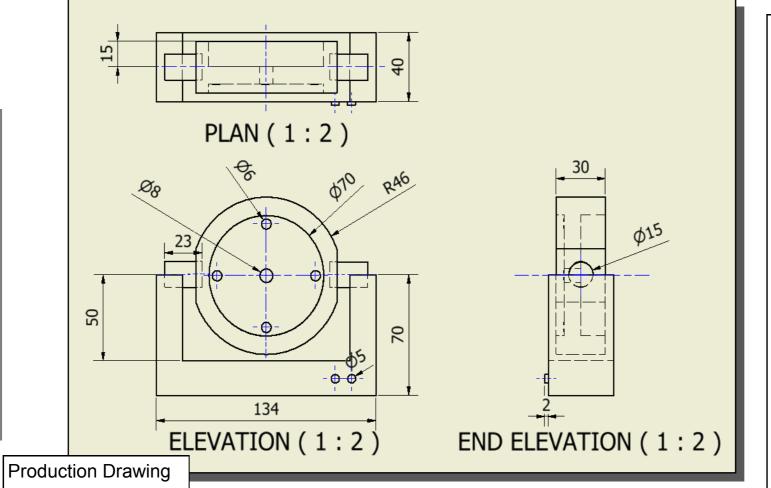
### **Description of model production:**

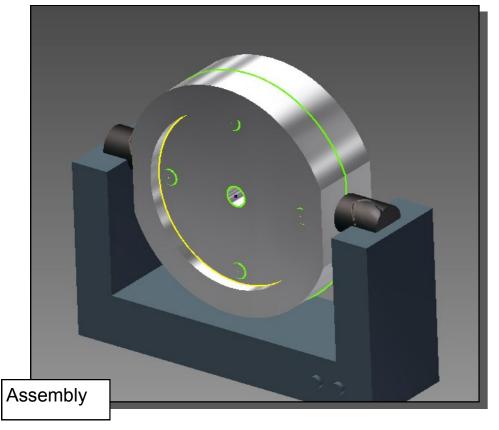


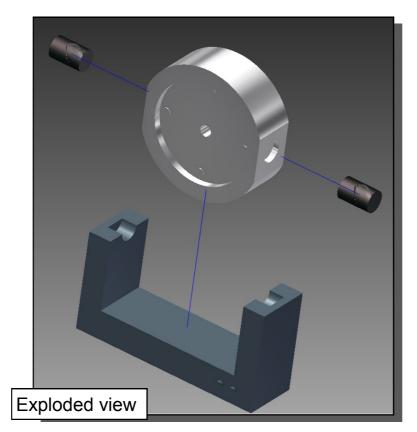


## Tutarial A

Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of the metal alarm clock below. below. Design and build a model of a clock mechanism and hands to fit in the clock.include dimensions. Describe how the clock is assembled together. Support your answer with sketches.







**3D modelling techniques and edits** 

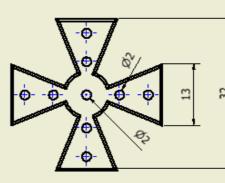
## **ICHS Graphic Communication**

## Description of model production:

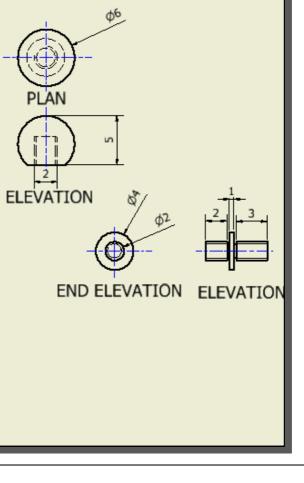
Describe, with reference to the dimensions on the Production Drawing, how each stage results in the production of the 3D model of the ladies' ring below. Design and build a box to hold it in and describe how you would achieve this— include dimensions. Describe how the ring and its parts are assembled together. Support your answer with sketches.

	PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	Part1		
2	1	baseplate		
3	1	screw		
4	1	crown		
5	1	gems		

## PLAN (2:1)



ELEVATION (2:1)



Assembly Exploded view

(1)

Production Drawing

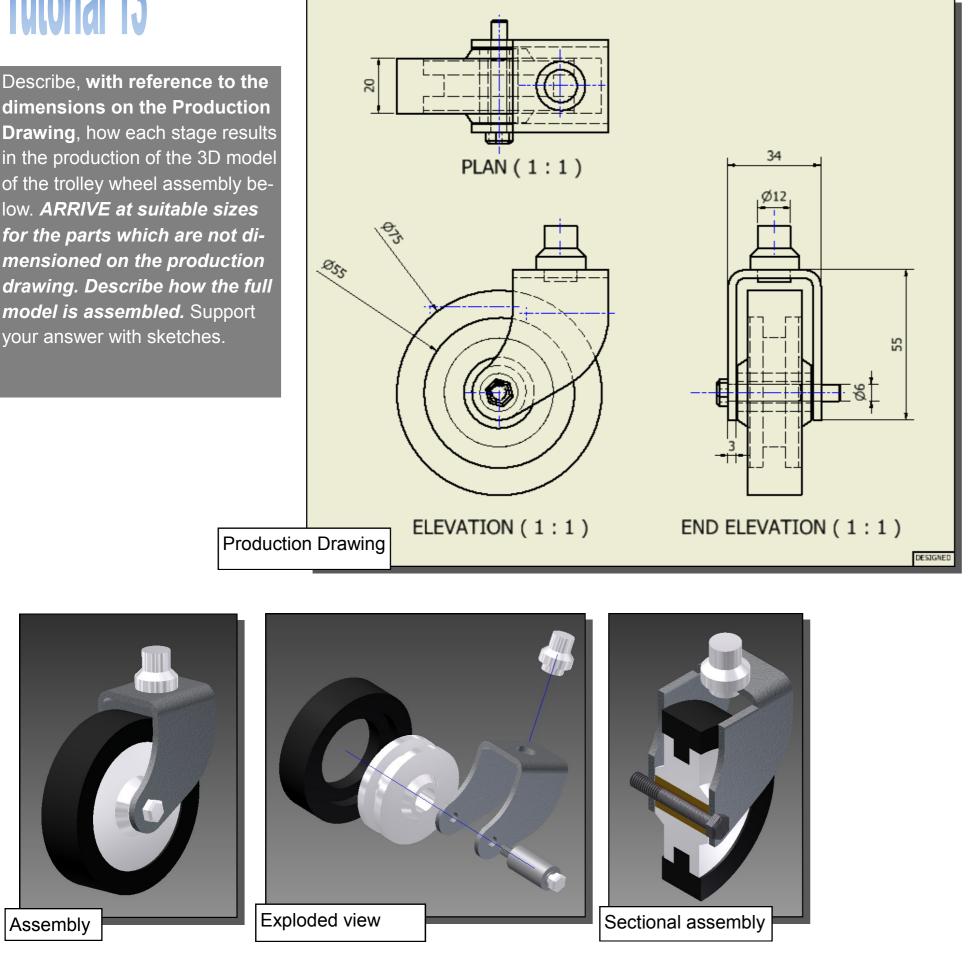
Description of model production:

(5)





Describe, with reference to the dimensions on the Production **Drawing**, how each stage results in the production of the 3D model of the trolley wheel assembly below. ARRIVE at suitable sizes for the parts which are not dimensioned on the production drawing. Describe how the full *model is assembled.* Support your answer with sketches.



Description of model production: