

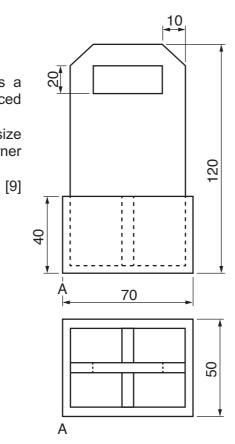
Section B

Answer any two questions from this section.

B2 (a) The orthographic drawing on the right shows a container to hold four sauce bottles, to be placed on restaurant tables.

On the isometric axes below, complete a full size isometric drawing of the container with the corner 'A' on the given point 'A'.

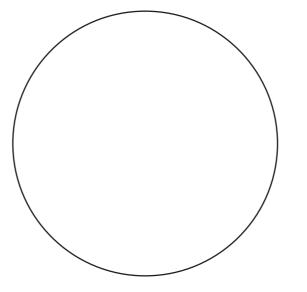
The thickness of the material is 5 mm.



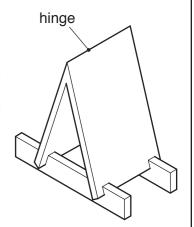
(b) A survey of the cars sold at a garage over a twelve month period showed that the most popular colours were:

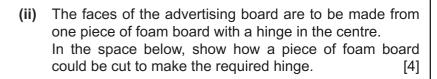
White – 90, Black – 75, Grey – 60, Blue – 60, Red – 45 and Silver – 30.

- (i) On the circle below, construct a **pie chart** to display this information. [4]
- (ii) Add a suitable key to your solution. [2]



- (c) The drawing on the right shows an advertising board to be made from three pieces of 'foam board'.
 - (i) In the space below, draw a cross section through a piece of 'foam board' to show its construction. [2]



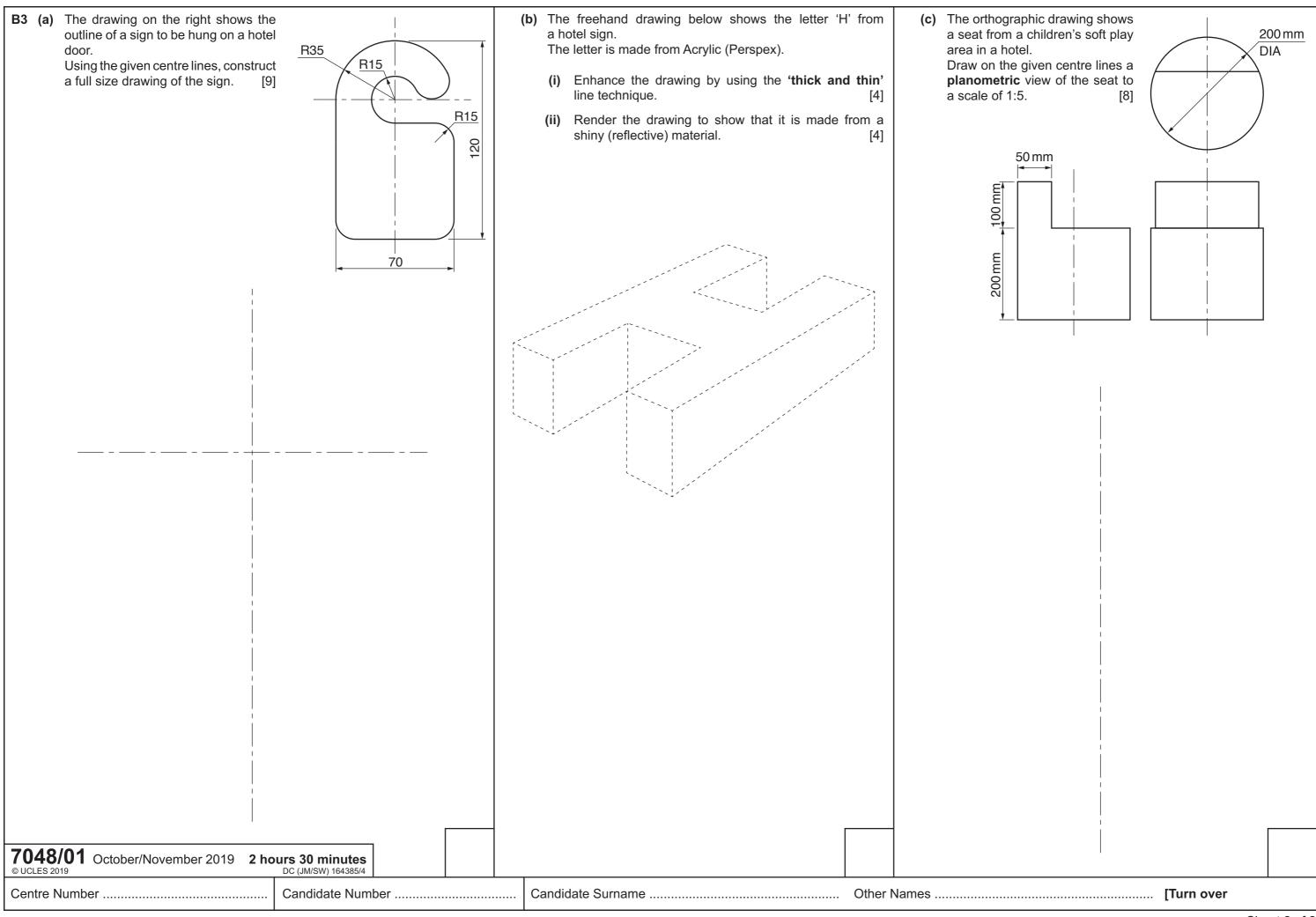


(iii) Complete the list below by adding the names of four tools used to mark out and cut out the foam board. [4]

4

5





B4 (a)	Th	e third angle orthographic drawing on the right shows a chocolate bar provided for hotel	guests.		
	(i)	Below, complete the estimated two point perspective drawing of the chocolate bar u given front corner shown with bold 'dot'.	using the [10]		
	(ii)	Complete the symbol for third angle projection.	[3]		
VP₁ +				VP ₂ +	
				Symbol for third angle projection.	
(b)	Mc	e number of guests staying at the hotel is: onday: 60, Tuesday: 65, Wednesday: 70, ursday: 60, Friday: 45, Saturday: 30 and Sunday: 30.		(c) In order to prevent the loss of keys the hotel attaches an elliptical tag to each key. On the given centre lines, construct an ellipse with a major axis of 140 mm and a minor axis of 80 mm. Do not draw the keyring or key.	
	(i)		[4]		
	(ii)	Use shading or colour to enhance your drawing.	[2]		
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