## Section A

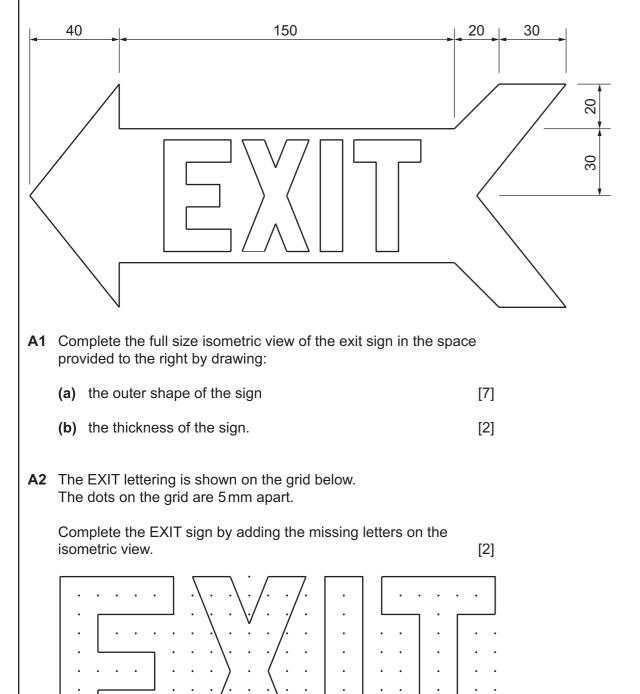
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Answer **all** questions in this section.

An exit sign is shown below. The sign is made from 6 mm thick acrylic.



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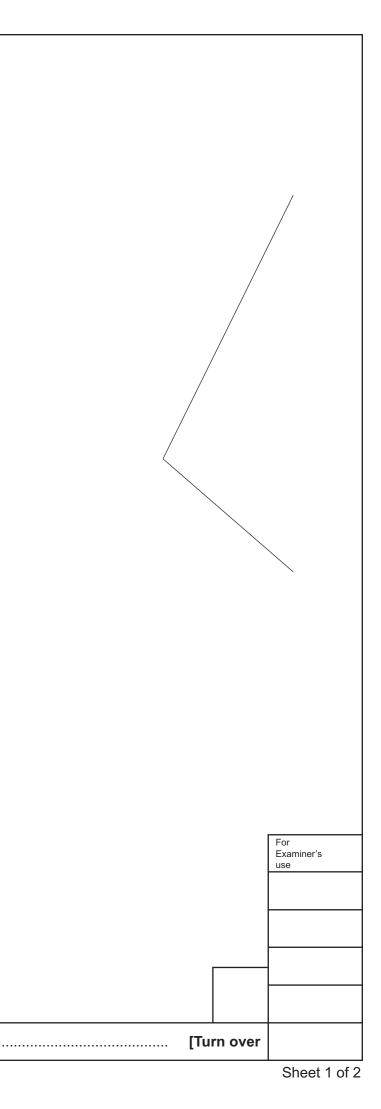
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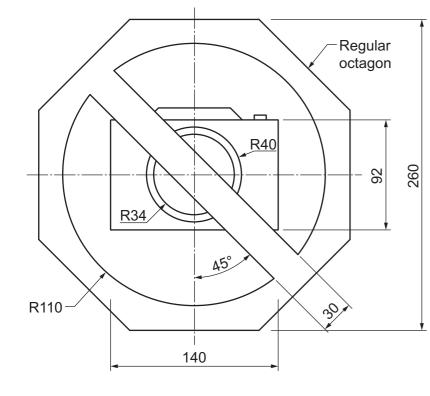
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0	Centre Number			Candidate Number	Candidate Surname	Other Names



**A3** A sign forbidding the taking of photographs is shown below.

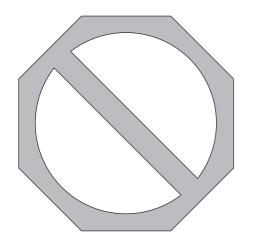


(a) Complete the half size view of the sign in the space provided to the right by drawing:

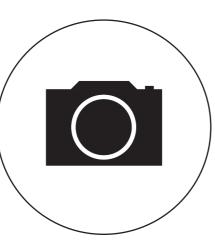
(i) the outer border with diagonal bar

(ii) the camera image.

The sign will be made in two parts as shown below.



Part A: The outer border with diagonal bar is made from 3 mm thick red acrylic and goes in front of the backboard.



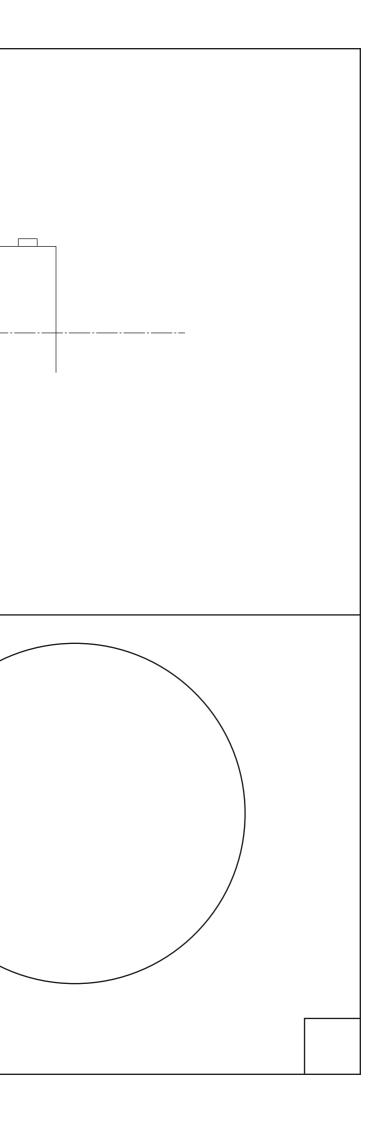
[6] [4]

Part B: The backboard has a black image on white 3 mm thick acrylic and goes behind Part A.

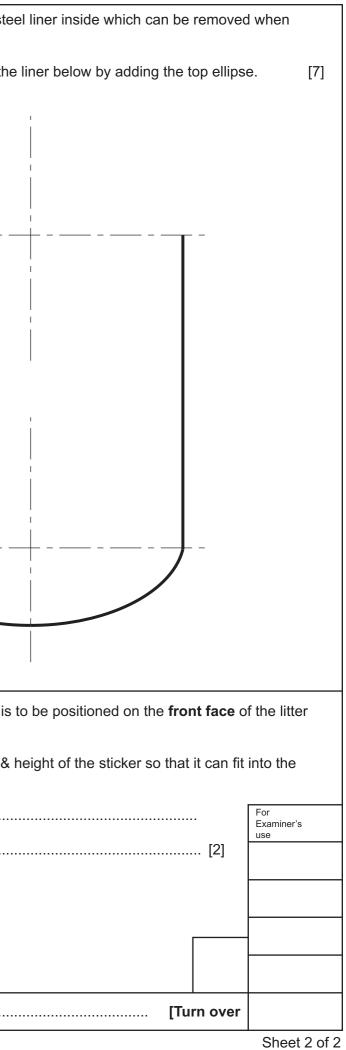
(b) Another backboard is needed for a 'NO FOOD OR DRINK' sign.

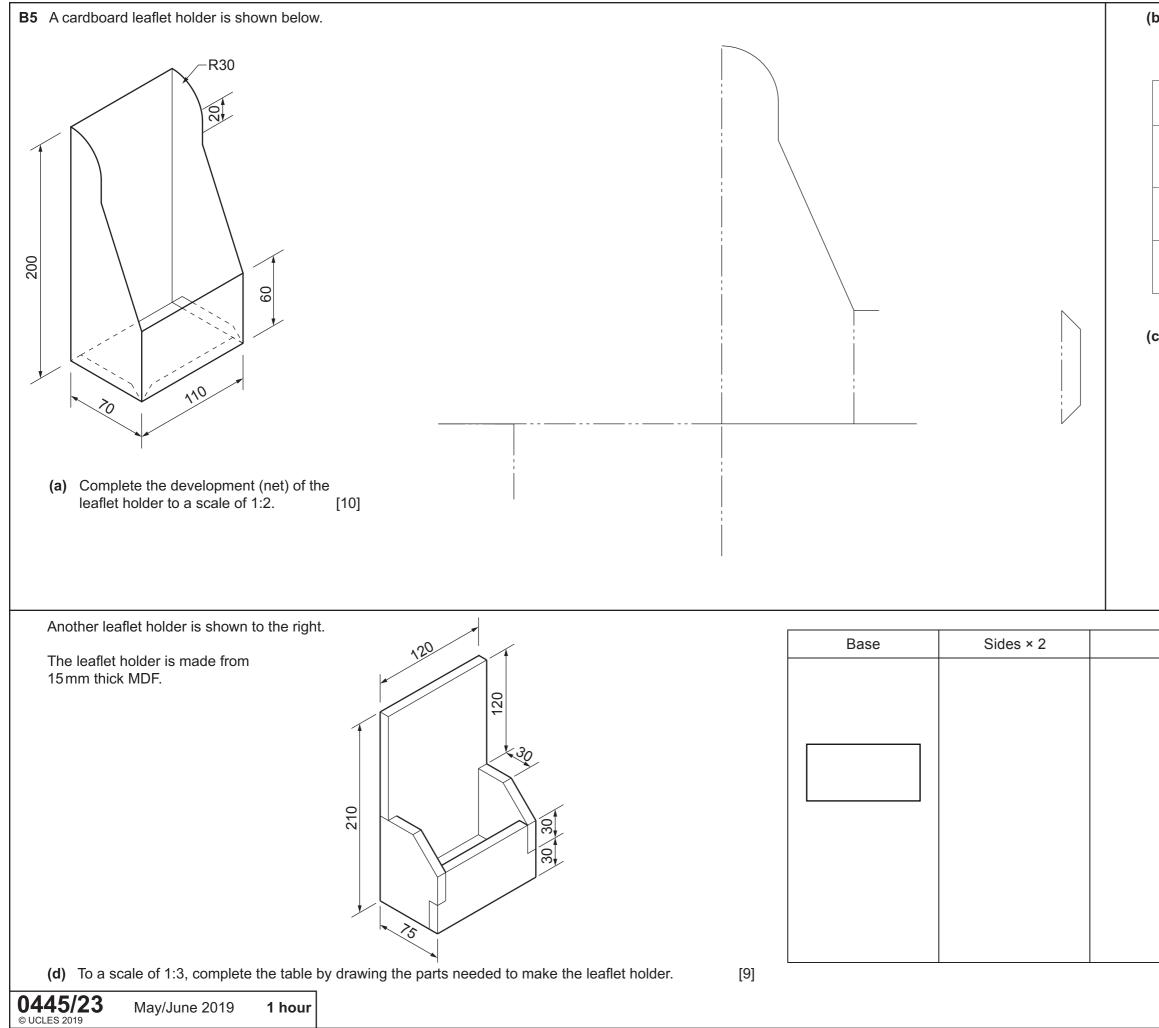
Design a suitable image for the backboard in the circle provided. [4]

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Section B Answer either question B4 or B5.		A	(b) The litter bin has a cylindrical st emptying the bin.
<b>B4</b> An isometric view of a litter bin is shown l	below.		Complete the pictorial view of the
	plan		
(a) Complete the orthographic views of the scale of 1:10.			
	front view	side view	
<ul> <li>(i) State two advantages of using 0</li> <li>1</li> <li>2</li> </ul>	duced using Computer Aided Design (CAD). CAD to produce the image. he image is to be made using Computer Aid	[2] BIN	(iii) The manufactured sticker i bin below the opening. State the maximum width & space available. Width
State <b>one</b> suitable CAM machin	e for making the sticker.	[1]	
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(b) Complete the table below to show one tool or item of equipment you would use to produce a prototype of the leaflet development (net).

Process	Tool/item of equipment
Marking out the development (net) on card	
Scoring the fold lines	
Cutting out the development (net)	

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- (c) The leaflet holders are to be produced in quantities of 5000.
  - (i) State a suitable adhesive for joining the development (net) together.
  - (ii) Explain **one** advantage of using a die cutter to manufacture the developments (nets).

	 	 [2]

Back	Front	