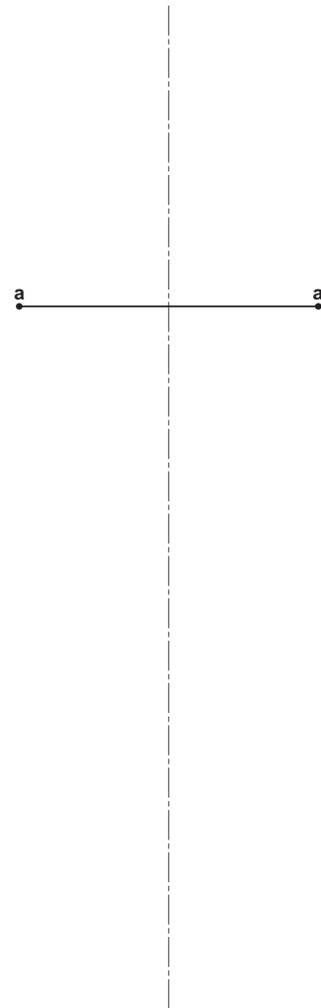
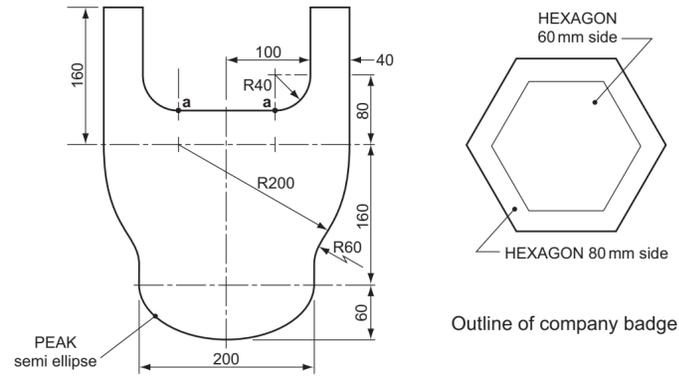


1 As part of a special promotion, a manufacturing company called **HEXAGON TUBE** is to give away hats made from thin card. The outline of the development of the hat is shown to the right.

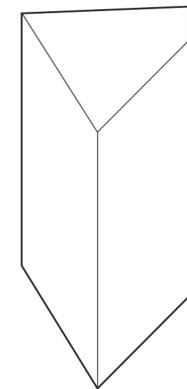
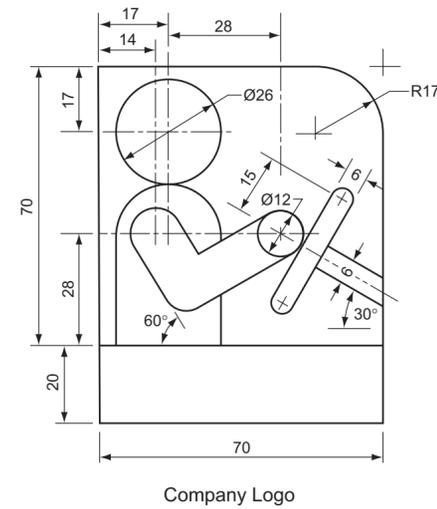
- (a) On the centreline below, draw the development of the hat to a scale of 1:2. The start line **a-a** has been drawn for you. All construction work should be clearly shown. [15]
- (b) The hat is to have the company badge printed on the top of the peak. Using the sizes from the outline of the company badge shown to the right:
- (i) draw the company badge on the development you have drawn below; [6]
 - (ii) draw the letters **TUBE** in a suitable style on the inner hexagon of the company badge. [6]
- (c) The hats need to fit adults and children. Draw on the development a method of fastening the two 40 mm wide strips together at two different length settings. [3]



Scale 1:2 development

2 A vehicle hire company called **U-DRIVE** is to produce an advertising postcard to send to potential customers. The postcard is to be folded by the customer to make a desk tidy. The outline of the postcard is drawn below.

- (a) Accurately divide the long side of the postcard into three equal parts so that, when folded, the postcard will have three faces as shown in the pictorial view. [3]
- (b) (i) To a scale of 1:1, draw the company logo shown, including the outline frame, on one of the faces you have created. [15]
- (ii) Add the company name to the rectangular box at the bottom of the logo. [2]
- (c) Using a suitable graphical method, complete the remaining two faces of the desk tidy with a visual chart showing:
- (i) the numbers and types of vehicle available for hire on one face; [4]
 - (ii) the rental periods available to customers on the other face. [4]
- (d) In the space provided to the right, show a design for holding together the two ends of the card desk tidy without using glue. [2]



Postcard folded to make a desk tidy

Total Vehicles available for Hire		
Delivery Vans	21	42%
Heavy Trucks	9	18%
Family Cars	12	24%
Sports Cars	8	16%

Rental Periods	
24 Hrs	1 Day
WEEKEND	2 Days
WEEKDAYS	5 Days
WHOLE WEEK	7 Days

Information for part (c)



Outline of Postcard

Write your surname, other names, Centre number and candidate number in the spaces provided.
 Answer any **two** questions.
 Draw your answers in the spaces provided on the question paper.
 All dimensions are in millimetres.
 The nu

Candidate's Surname
 Other Names
 Centre Number
 ber

For Examiner's use

[Turn over

