





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.

(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.

(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:

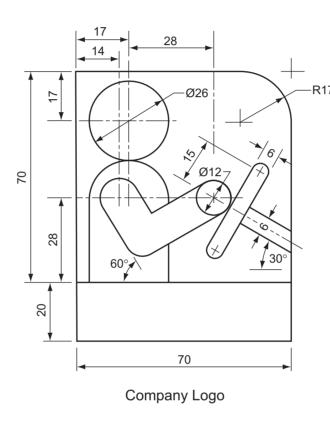
(i) the numbers and types of vehicle available for hire on one face; [4]

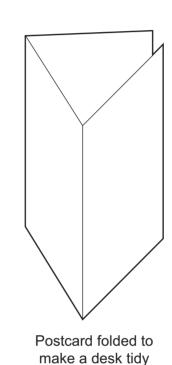
(ii) the rental periods available to customers on the other face. [4]

(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.

ANSWER (d) HERE

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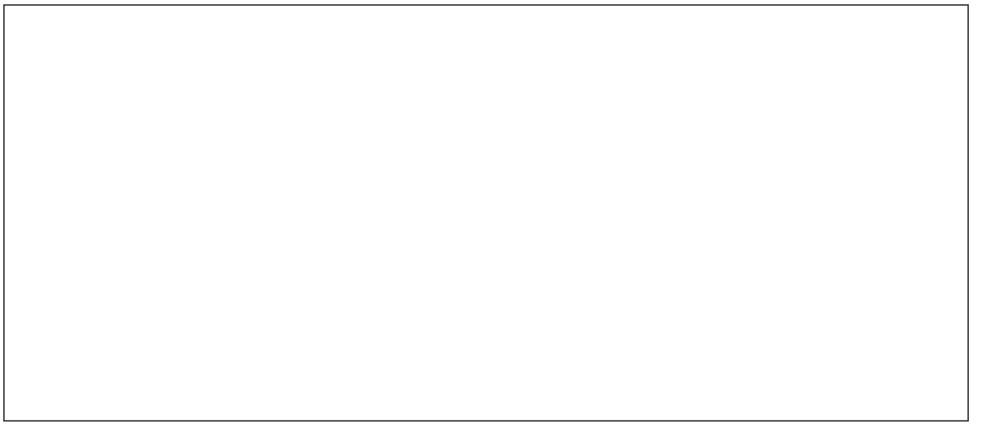




Total Vehicles available for Hire		
21	42%	
9	18%	
12	24%	
8	16%	
	21 9 12	

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

Information for part (c)



Outline of Postcard

Scale 1:2 development

0445/00
UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

0445/02 **DESIGN AND TECHNOLOGY** 0446/02 **DESIGN AND COMMUNICATION**

Paper 2 Communication

October/November 2006 1 hour Write your surname, other names, Centre number and candidate number in the spaces provided.

The nu

Answer any **two** questions. Draw your answers in the spaces provided on the question paper. All dimensions are in millimetres.

	Candidate's Surnar
	Other Names
	Centre Number
'	be

For Examiner's

[Turn over

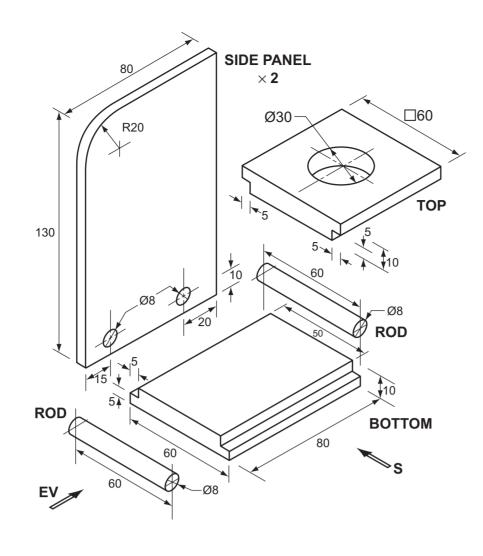
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- 3 An exploded view of component parts for a computer disk storage rack is shown to the right. The two side panels fit into 5 × 5 rebates in the top and bottom. The two Ø8 rods fit into the Ø8 holes provided in the side panels. The small pictorial sketch shows the parts assembled with one computer disk in the rack.
 - (a) Draw to a scale of 1:1 in either first or third angle projection, the following views of the assembled rack:
 - (i) a sectional view taken through the centre of the rack looking in the direction of arrow **S**; [12]
 - (ii) the end view looking in the direction of arrow **EV**; [8]
 - (iii) the plan. [8]
 - (b) In the space indicated, draw the symbol for the angle of projection you have used. [2]

Show hidden detail on the plan view **only**. **Do not** show a computer disk in the rack.



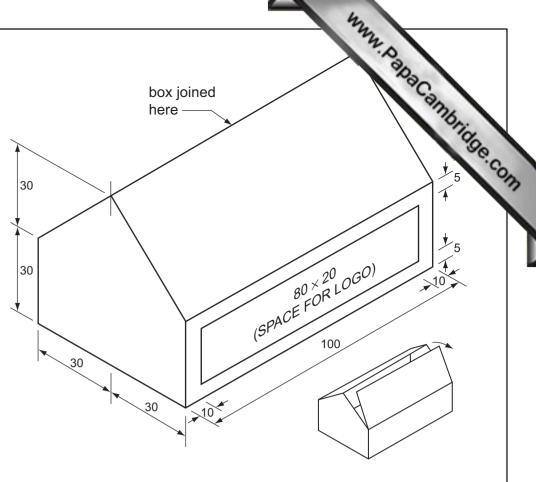


DRAW THE SYMBOL FOR THE ANGLE OF PROJECTION USED HERE 4 A thin card sweet box for a children's party is shown to the right. The box is to have the sweet company logo printed in the area indicated. The name of the company is **WHEELS**.

In the space below:

- (a) sketch **two** ideas for the logo which must represent the name of the company; [4]
- (b) complete the full size, one-piece development of the sweet box. The bottom of the box has been drawn for you. Include all gluing and other flaps; [16]
- (c) draw accurately your chosen design for the logo on the correct part of the development; [3]
- (d) add to the development you have drawn, a carrying handle that will keep the box closed when it is carried; [4]
- (e) add colour to the logo to enhance its appearance. [3]

ANSWER (a) HERE



ANSWER (b) HERE

