

**INSTRUCTIONS TO CANDIDATES**

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above and on each of the A3 answer sheets inside this folder.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Write your answer to each question in the space provided.
- All diagrams should be drawn accurately unless otherwise stated. Drawing aids may be used. Colour or shading should only be used if asked for in the question. Use your discretion where dimensions are not given.

**INFORMATION FOR CANDIDATES**

- The number of marks for each question is given in brackets [ ] at the end of each question or part question.
- Marks will be awarded for the use of correct conventions.
- The total number of marks for this paper is **50**.
- Dimensions are in mm unless otherwise stated.
- Question 5, product analysis, is based on the theme: **visitor guides** printed in the specification.

<b>FOR EXAMINER'S USE</b>	
1	
2	
3	
4	
5	
<b>TOTAL</b>	

Centre Number

Candidate Number

Candidate Forename

Candidate Surname

**OCR** RECOGNISING ACHIEVEMENT

**GENERAL CERTIFICATE OF SECONDARY EDUCATION**

**DESIGN AND TECHNOLOGY**

**GRAPHIC PRODUCTS**

Paper 3 (Foundation Tier)

**THURSDAY 19 JUNE 2008**


Afternoon

Time: 1 hour 15 minutes

Candidates answer on the question paper

**Additional materials (enclosed):** None

**Additional materials (required):** Drawing aids may be used



\* C C U P / T 4 3 6 0 2 \*



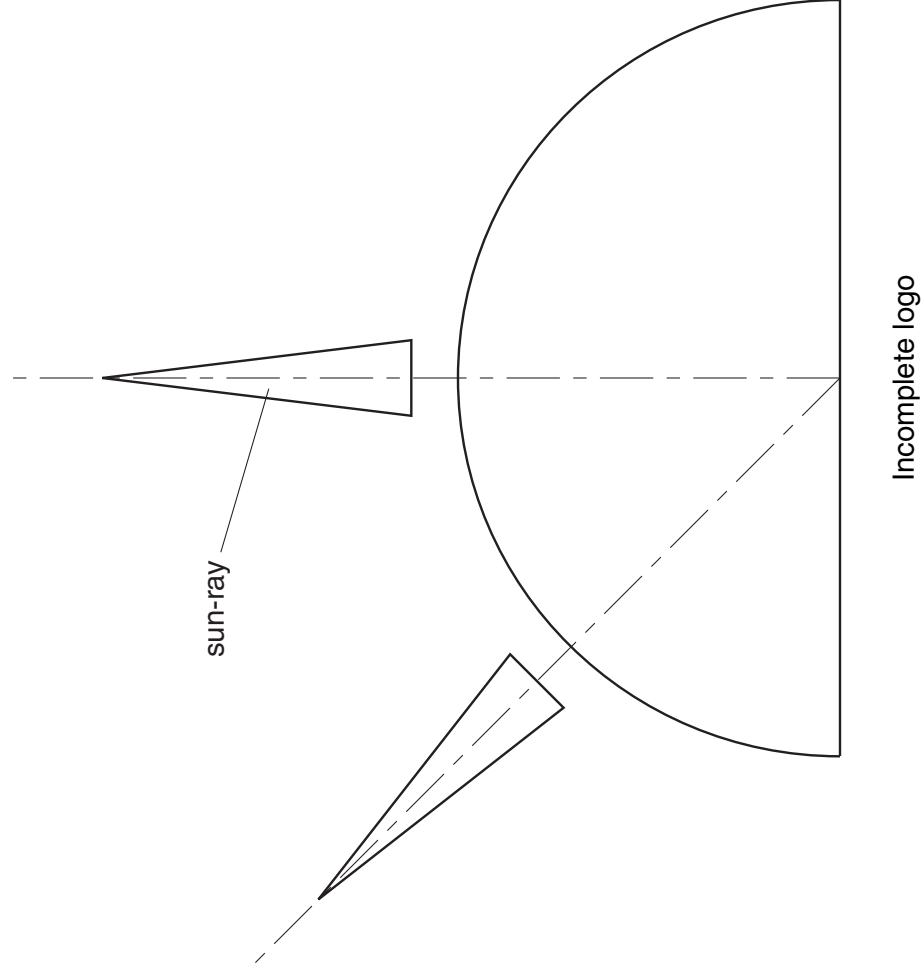
1 An incomplete drawing of part of a logo for a holiday company called 'SUN 4 US' is shown below.

(a) Name the **two** different shapes used in the drawing.

..... [1]

..... [1]

(b) Use instruments to complete the logo by adding a third sun-ray so that the design is symmetrical. [3]



(c) (i) In a user survey of 18–25 year olds the name 'SUN 4 US' was the most popular.

In a similar survey of over 60s the name was the least popular.

Give **one** reason for this difference in the survey results.

..... [1]

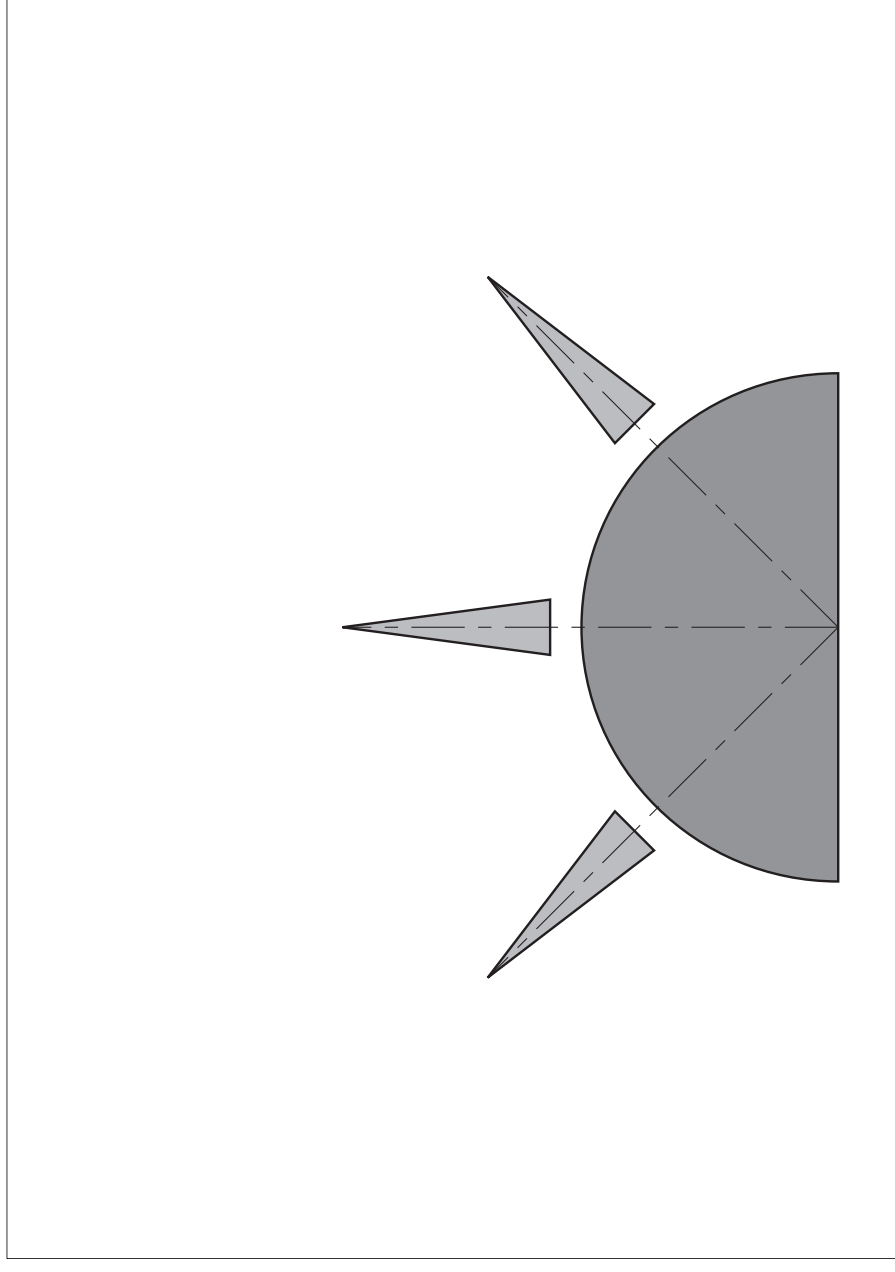
(ii) Tick (✓) the most appropriate font style for 'SUN 4 US'. [1]

SUN 4 US	
SUN 4 US	
<i>SUN 4 US</i>	
<b>SUN 4 US</b>	

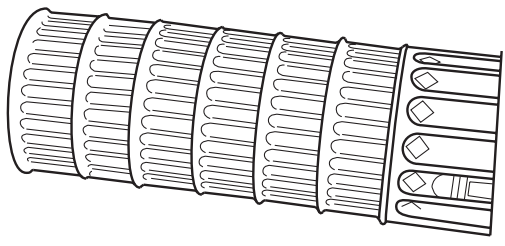
(iii) Give **one** reason why your choice of font style is suitable for the name 'SUN 4 US'.

..... [1]

(d) Add the name 'SUN 4 US' in your chosen font style to the logo below. [2]

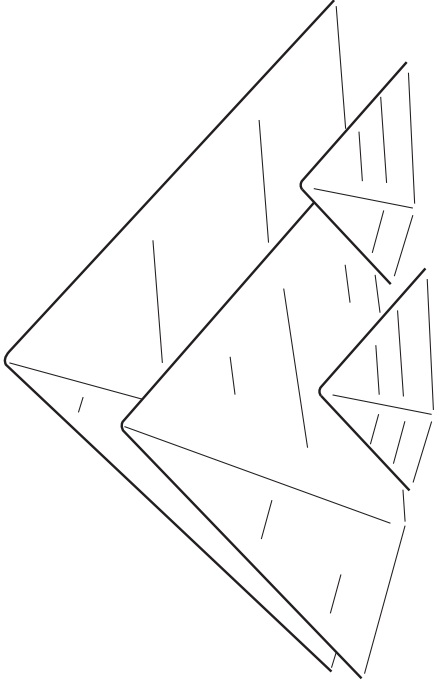


**2** 'SUN 4 US' are soon to open a new purpose built airport for their flights. A set of signs is needed to direct passengers to the check in desks. The sign for flights to Italy is shown below. It is based on the Leaning Tower of Pisa.



Leaning Tower of Pisa

**(a)** Use instruments to complete the sign for flights to Egypt based on the Pyramids. [4]

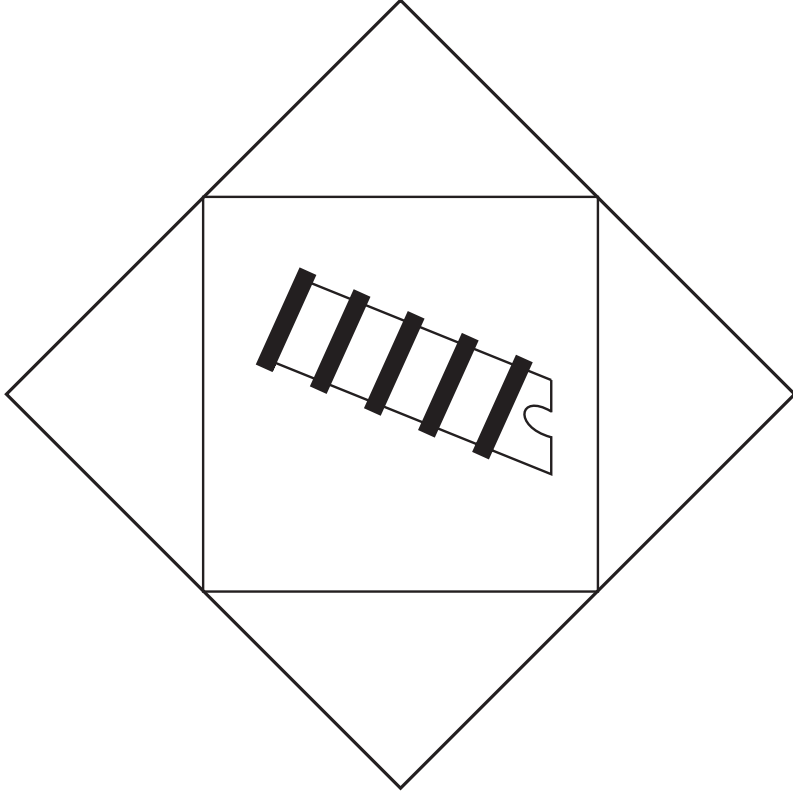


Egyptian Pyramids

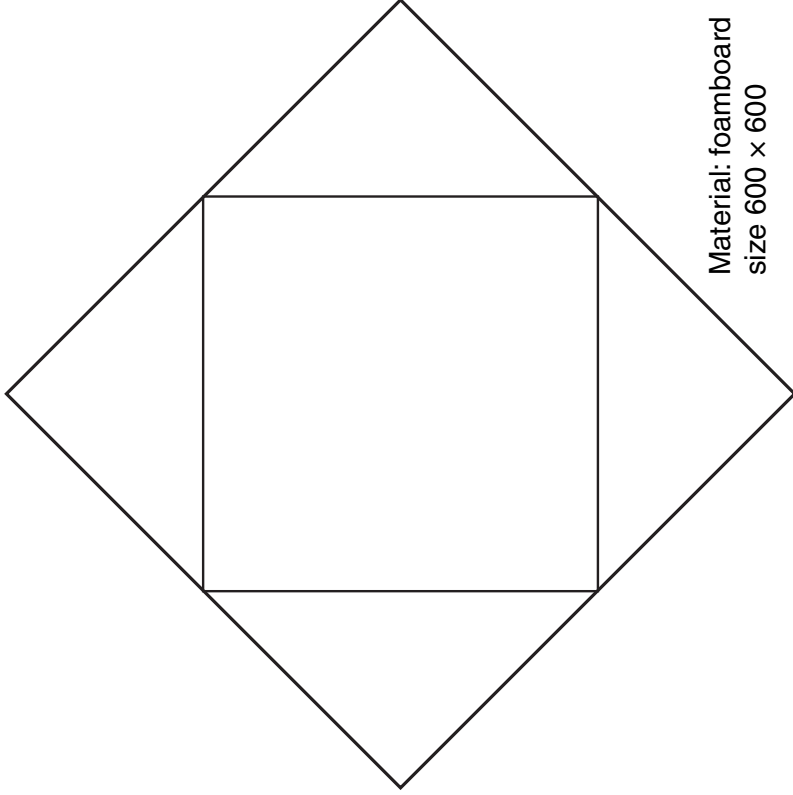
**(b)** A direction arrow will be attached to the sign to show the passengers whether they have to go LEFT, RIGHT or STRAIGHT AHEAD. The sign and arrow are to be made from 5 mm thick foamboard.

**(i)** Use instruments to draw a suitable arrow which could be cut out and attached to the sign. [2]

**(ii)** Use a sketch and notes to show how the arrow could be easily attached and removed from the sign. [2]



Flights to Italy sign



Material: foamboard  
size 600 x 600

Flights to Egypt sign

**(c)** **(i)** Tick (✓) the most appropriate method for printing 10 signs. [1]

Offset Lithography	Screen Printing	Photocopying
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

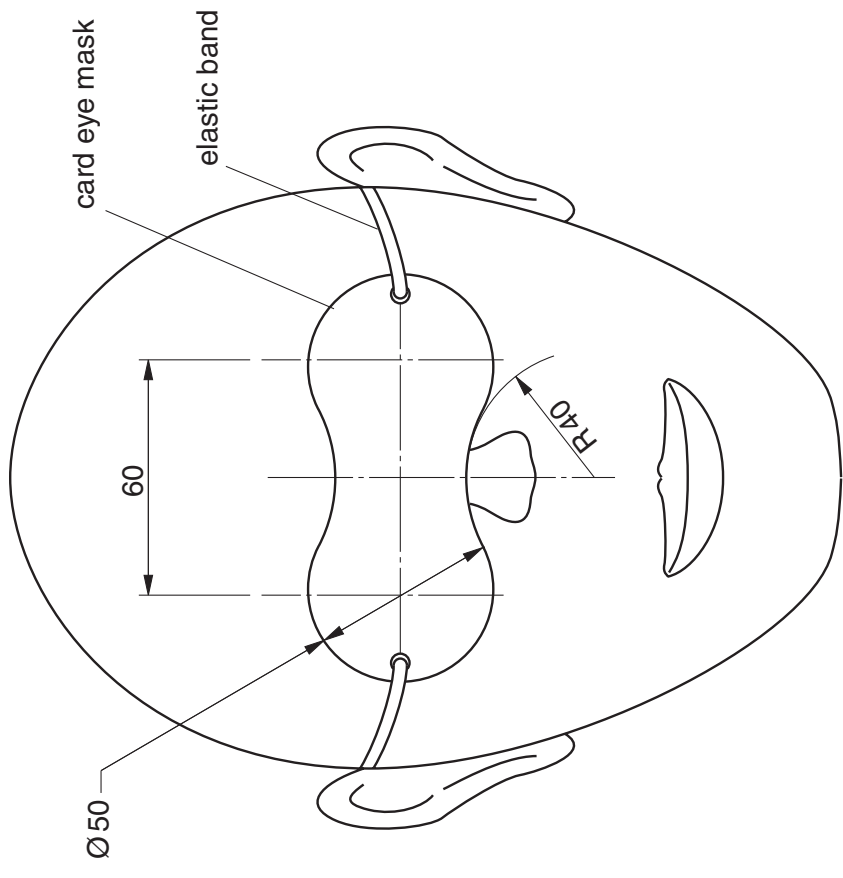
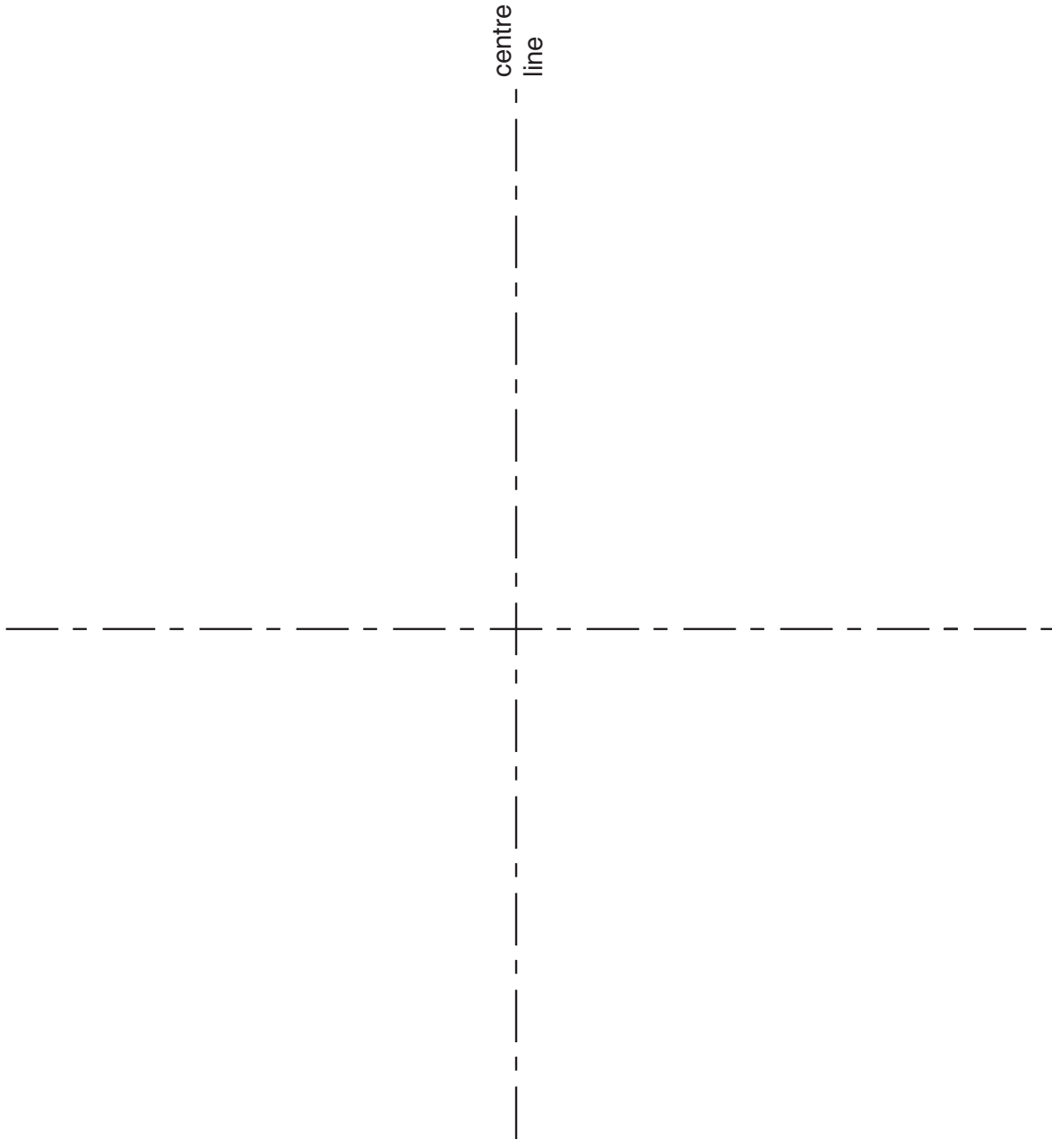
**(ii)** Tick (✓) the most appropriate production method for 10 signs. [1]

Job	Batch	Repetitive Flow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**3** The sketch on the right shows a design for a card eye mask.  
The eye mask is to be given away free to passengers to help them sleep.

**(a)** Draw using instruments a full size outline of the mask.  
Measurements for the mask should be taken from the sketch.

[6]



not to scale

**(c)** The following comments were written by passengers on a customer satisfaction questionnaire given out at the end of their holiday flight.

- 'The masks were a waste of money and a waste of materials'
- 'The masks were rubbish they just pollute the planet'
- 'They just create more rubbish'

Full size eye mask

Complete the following statement written by the company in response to these comments.

**(b)** In use the elastic band tears the card mask.  
Use a sketch and notes to show a simple modification to the design of the mask which will stop this from happening. [2]

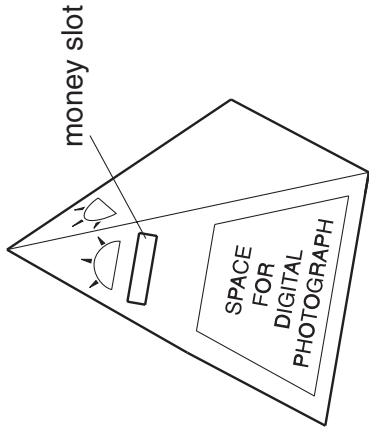
Thank you for your comments.

Card masks which have been used are ..... to make other products.

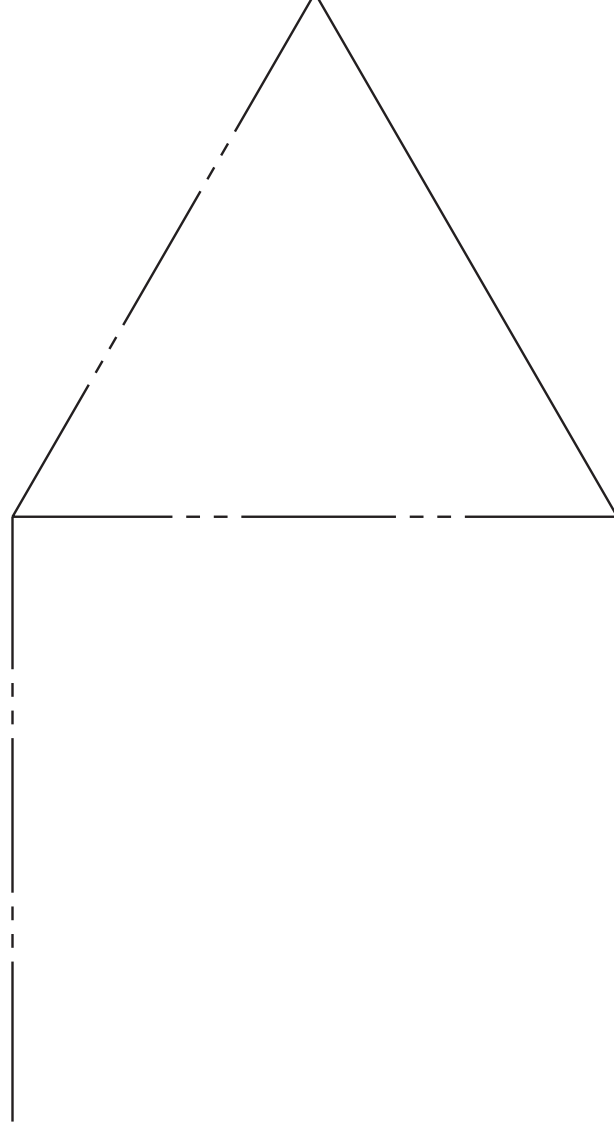
We always try to be efficient in the use of materials and resources and to operate  
..... friendly policies. [2]

4 A holiday company 'SUN 4 US' supports an orphanage charity in Egypt. The sketch below shows a charity box which is given out to customers.

(a) Complete the drawing of the development (net) for the charity box. Include the money slot but **do not** add the graphics. Clearly show fold lines, cut lines and glue tabs. [5]



Charity box in the form of a square based pyramid

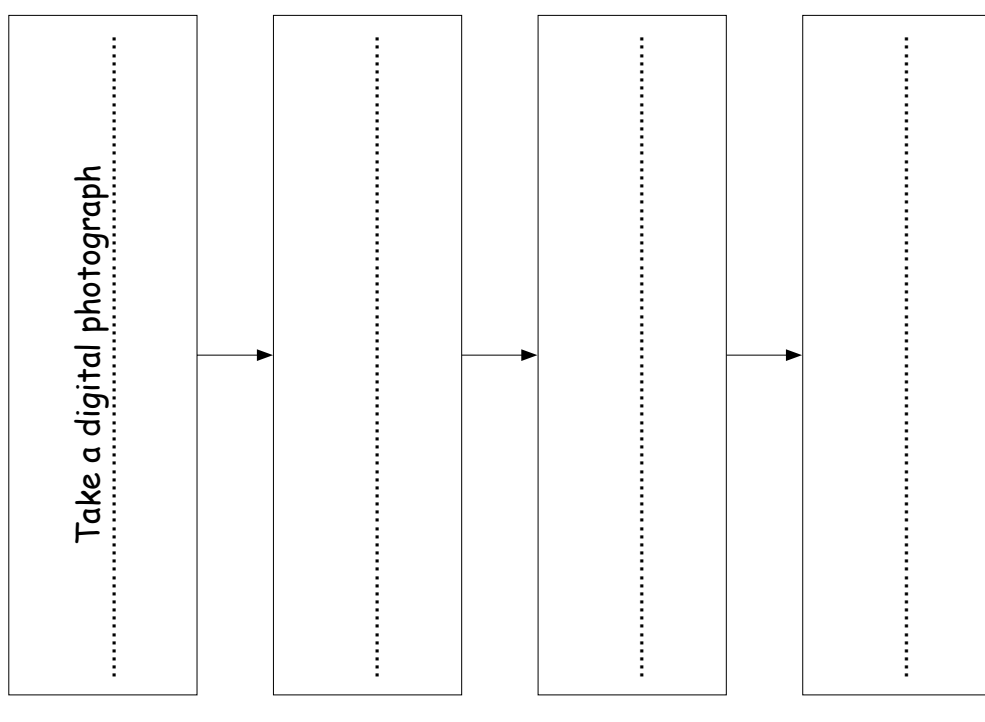


Development (net) of charity box

(b) Give **two** advantages of using a computer to arrange a number of the net designs on a large sheet of card before cutting out.

Advantage 1 ..... [2]  
 Advantage 2 .....

(c) Complete the process chart to show how a digital photograph could be added to the space on the charity box. [3]



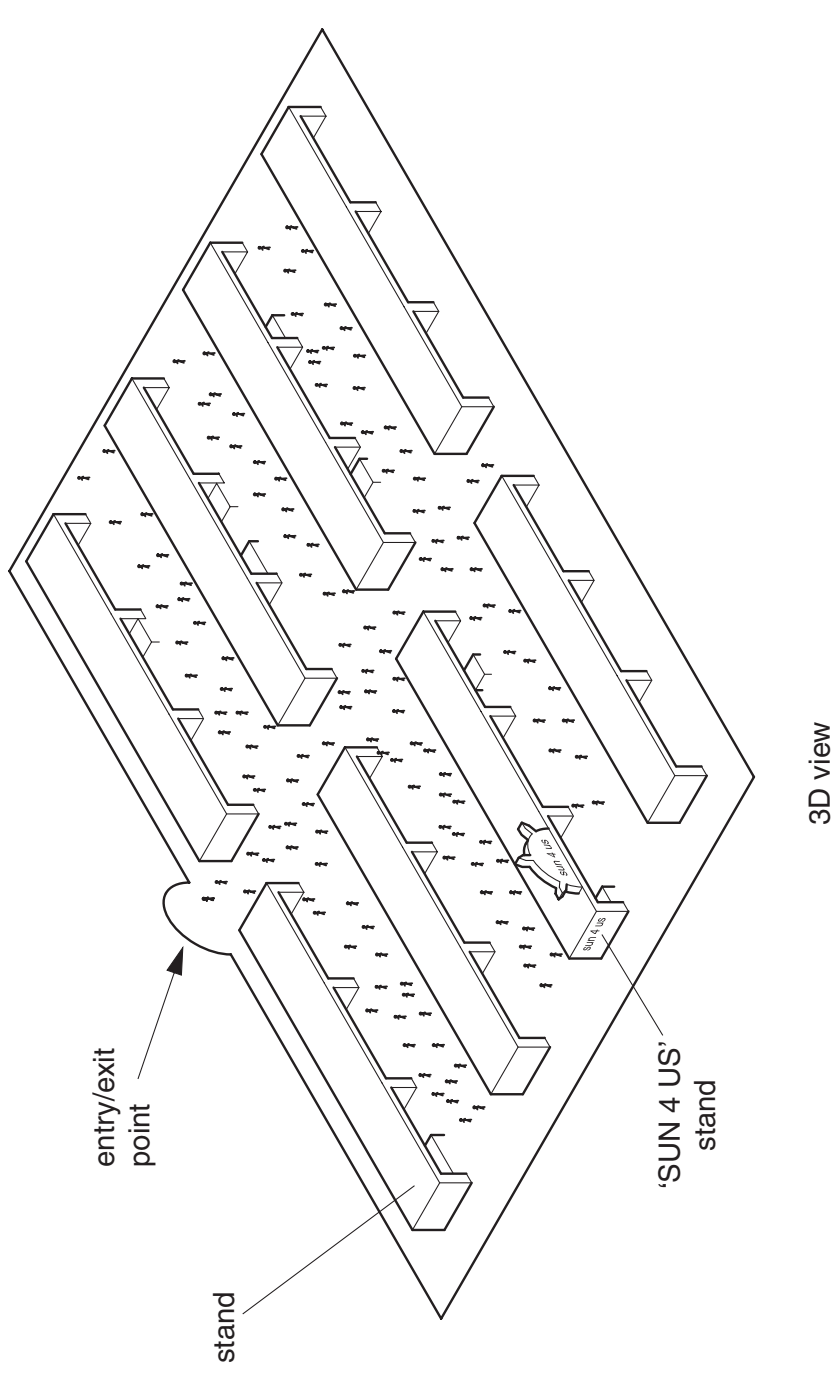
5 'SUN 4 US' are promoting their holidays at a show to be visited by the public. They plan to distribute **A5 size flyers** to get more people to visit their stand.

(a) The A5 flyers will be printed on A2 size sheets. Use a sketch and notes to show the arrangement for the maximum number of A5 flyers on the A2 sheet. [2]

(e) A simplified 2D plan showing the location of the stand at the show is to be included on the flyer. Use the 3D view of the show layout to produce a design for the simplified 2D plan. [5]

The 2D plan should clearly show:

- the position of the 'SUN 4 US' stand in relation to the other stands;
- the quickest route to the 'SUN 4 US' stand from the entry/exit point.



(b) State the number of flyers that can be produced from one A2 sheet.

..... [1]

(c) Give **one** reason why the flyers would **not** be printed on 500 micron (0.5 mm) thick sheet.

..... [1]

(d) Give a suitable weight of paper on which to print the flyers.

.....(gsm or gm<sup>2</sup>) [1]







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