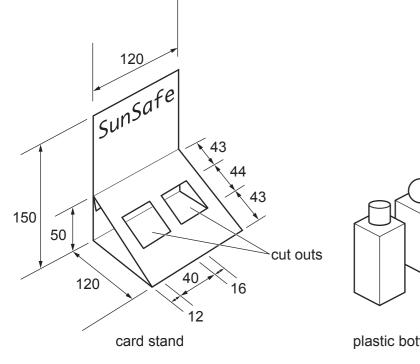
## Section A

Answer question A1.

A1 A design for a point of sale display for sun protection products is shown below. The plastic bottles fit into the cut outs on the card stand.

- - (i) the second cut out to the plan view
  - (ii) both cut outs to the front view.



plastic bottles

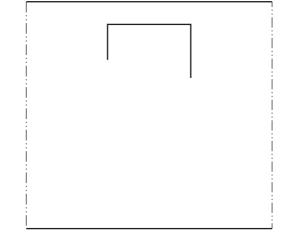
[1]

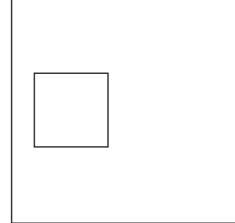
(a) Complete the development (net) of the card stand to a scale of 1:2 by adding:

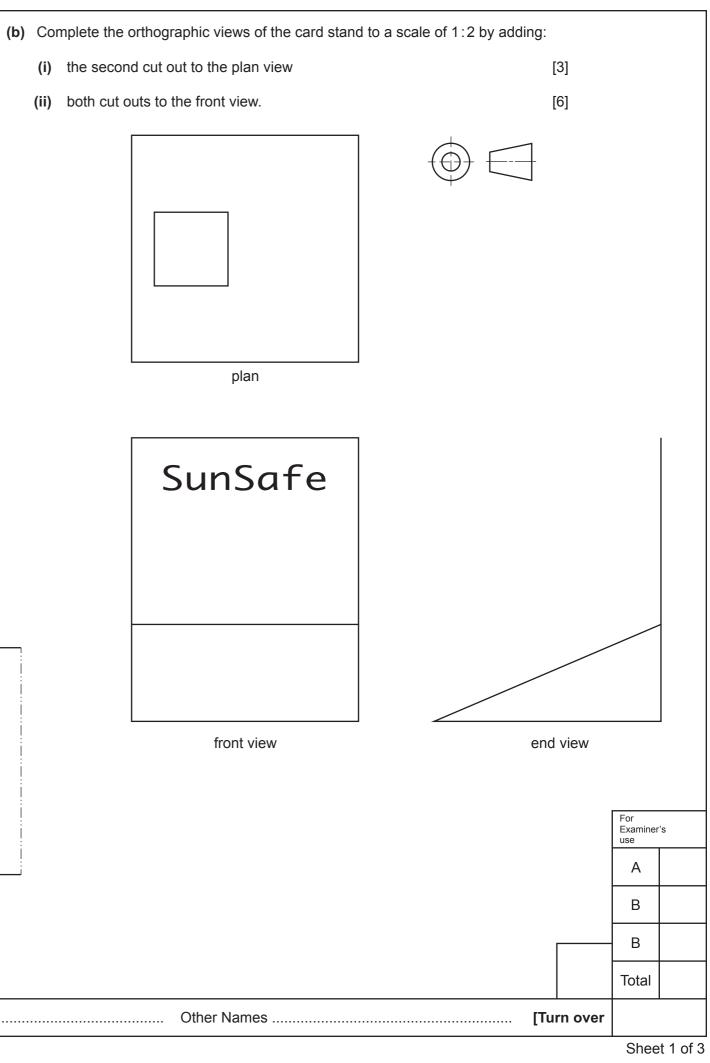
(i)	the missing base and back	[5]
(ii)	the two cut outs	[3]

(iii) the glue tab.





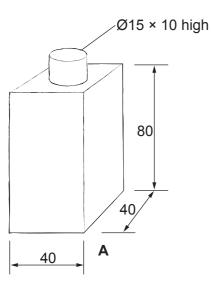




development (net)

<b>7048/01</b> October/November 2024 2 h	ours 30 minutes DC (WW/SW) 337963	* 0 2 4 4 1 1 3 5 7 4 - I *		
Centre Number	Candidate Numb	per	Candidate Surname	Other Names

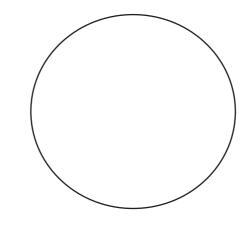
(c) One of the plastic bottles for the point of sale display stand is shown below.



Accurately construct a full size isometric view of the plastic bottle.

Corner **A** has been given as a starting point.

- (d) Drawings of the caps for the two plastic bottles are shown below.
  - (i) Render the spherical bottle cap to look like it is made from shiny plastic.
  - (ii) Add finger grips to the cylindrical bottle cap.



spherical bottle cap

[8]

Δ

isometric view

**7048/01** October/November 2024 **2 hours 30 minutes** 

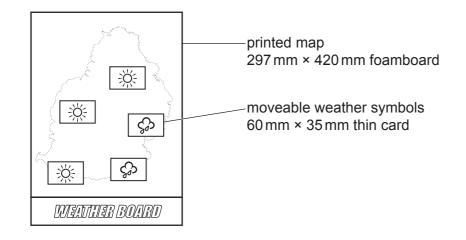
[2] [2]

cylindrical bottle cap

## Section B

Answer two questions from this section.

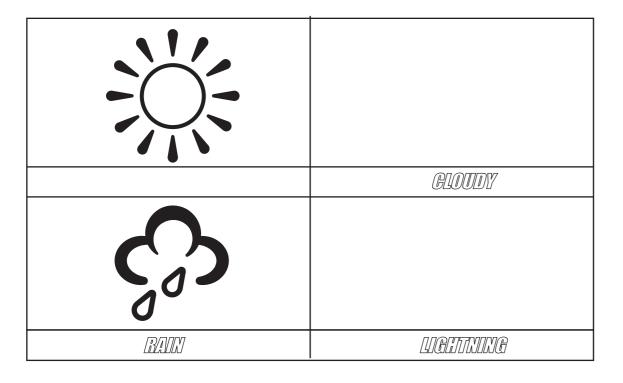
B2 A design for a weather display board is shown below.



(a) A table showing the different weather symbols used on the display board is shown below. Complete the table by adding:

[6]

- (i) the word SUMM [1]
- (ii) designs for the *GLOUDY* and *LIGHTANG* symbols.

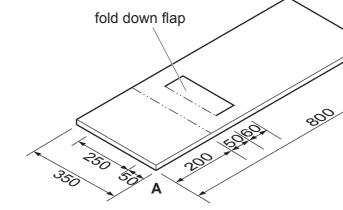


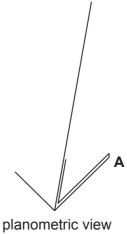
(iii) Give two benefits of using symbols rather than words to show the weather.

	1				[1]
	2				[1]
7048/01 ( © UCLES 2024	October/November 2024	2 hou	urs 30 minutes	* 0 2 4 4 1 1 3 5 7 4 - I I *	
Centre Number	·		Candidate Numb	oer	Candidate Si

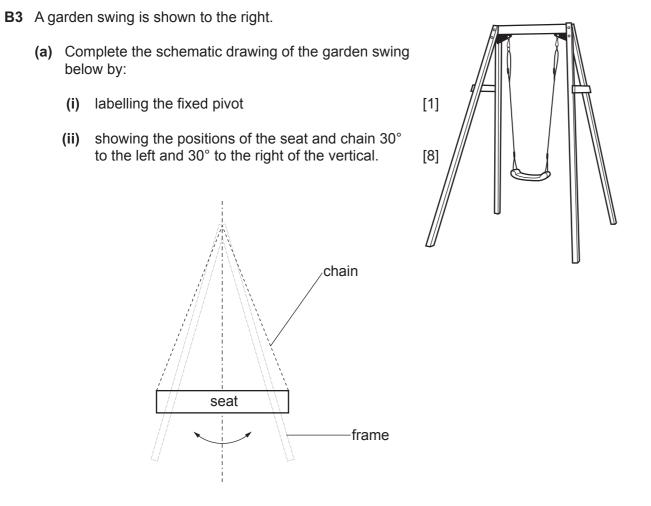
- (b) Use sketches and notes to show:

(i) a temporary method of attaching the card weather symbols to the foamboard map [3] (ii) a method of making the card weather symbols water resistant. [3] (c) A stand for the weather display board is to be made from acrylic sheet. The marked out and cut acrylic sheet is shown below. fold down flap 809 200 -30 30 Accurately complete the scale 1:10 planometric view below of the folded sheet of acrylic. Corner A has been given as a starting point. [10] planometric view urname ..... Other Names ..... [Turn over





Sheet 2 of 3



(b) Sales of the garden swing over a four year period are shown in the table below.

In the space below draw a 3D bar chart to show the sales of the garden swing over the four year period. Use colour and labels to enhance the appearance of the bar chart.

	51	
L٦	ני	

(i) the Ø60 circle [3]
(ii) the equilateral triangle with length of side 160 mm [2]
(iii) the missing letter 'S'. [2]

On the given centre lines complete the drawing of

the logo to a scale of 1:2 by adding:

(iv) Use sketches and notes to show two modifications to the garden swing manufacturer's logo that will make the logo represent a swinging motion.

logo

Sales

4600

5800

3200

2800

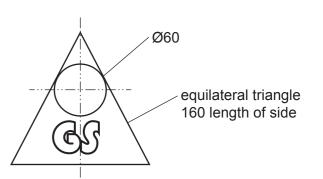
2020

2021

2022

2023





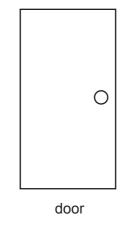
modification 2

			(ii)	mode Rend windo
(a) (i)	State two reasons why Styrofoam is a suitable material for the model.			
	1	[1]		
	2	[1]		
(ii)	Name <b>two</b> tools that could be used to shape the Styrofoam blocks.			
	1	[1]		
	2	[1] (	d) Sta	ate <b>two</b>
(iii)	Name an adhesive that could be used to join the Styrofoam blocks together.		1.	
		[1]	2.	
(b) Con	nplete the full size two-point perspective drawing of the assembled model building	below. [11]		

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el.

ow to look like glass.



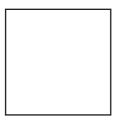
reasons why a designer might make a model of a building. .....

2		
---	--	--

**B4** A model building made from two blocks of Styrofoam is shown below.

(c) (i) Use sketches and notes to show a method of adding a door and a window to the Styrofoam [3]

> der the drawing of the door below to make it look like wood, and the drawing of the [4]



window

 [1]
 [1]

