Question 1.

Please refer to the "Events at The O_2 " leaflet.

(a)	Identif leaflet	fy and describe two Design Elements used on the "Events at The O_2 .	<u>?</u> "
	i)	Design Element 1	
		Description of Design Element 1	
	::\	Design Flowent 2	
	ii)	Design Element 2	
		Description of Design Element 2	
			(4)

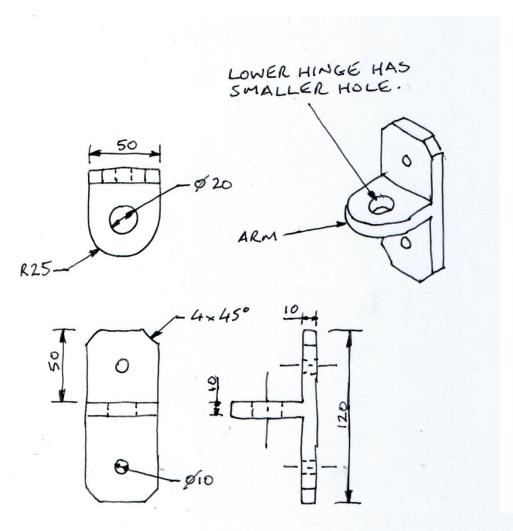
MARKS

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(b)	Identif leaflet	y and describe two Design Principles used on the "Events at The ${ m O_2}$ " .	
	i)	Design Principle 1	
		Description of Design Principle 1	
	ii)	Design Principle 2	
		Description of Design Principle 2	
		(4)	

Question 2.

A hinge has been designed to attach a wooden gate to a wooden post. A 3D model was produced from <u>Preliminary</u> sketches (shown below) created at the design stage. The 3D model was then used to produce <u>Production</u> drawings for the manufacturing of the hinge. These 3D drawings were then used to create the <u>Promotional</u> graphics for the client to use for marketing purposes.

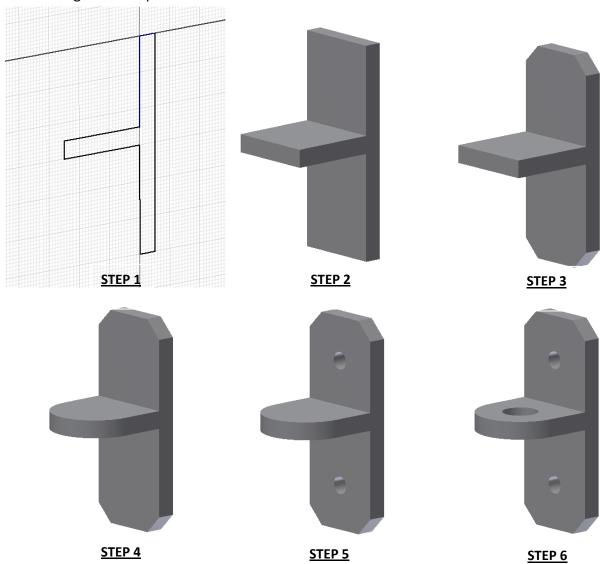


ORTHOGRAPHIC VIEW OF UPPER PART OF HINGE

MARKS

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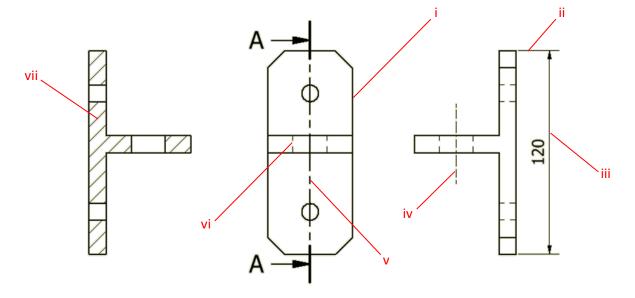
Below are the steps taken to produce the *upper* part of the hinge using a commercial 3D modelling software pac



a) Describe how you would use a 3D modelling package to get from **step 1** to **step 2** with reference to the dimensions in the preliminary sketches. You may use sketches in the space provided to support your answer. (3)

b)	i)	Name the editing command used to get from step 2 to step 3 .	MARKS
	ii)	Name the editing command used to get from step 3 to step 4 .	- - (2)
-		Preliminary, Production and Promotional) that are highlighted at the standard in involve the use of various graphics.	rt of
c)	Give	e an example of the types of graphics you are likely to see at each stage. Preliminary	
	Proc	duction	- -
	Pror	motional	. (3)
	<i>ower</i> pe hinge	part of the hinge is identical in size and shape but has a smaller hole in the	arm
d)		e a reason as to why there needs to be a smaller hole in the <i>lower</i> par hinge.	rt of
			_ _ (1)
e)	pin You	h the aid of dimensioned Orthographic sketches produce a design for showing all functional dimensions. Use the space below for your sketc must show three Orthographic views (elevation, end elevation and plar sketches.	hes.

The Orthographic <u>Production</u> drawing of the *upper* part of the hinge is (shown below) has been dimensioned in accordance with BSI (British Standards Institute) standards.



f) In the spaces provided identify the line types shown on the drawing; the first one has been done for you.

i)	OUTLINE	_
ii)		_
		-
•		-
v)		-
vi)		-
vii)		-

(6)

Question 3.

Architects use BSI symbols to represent features on their drawings.

(a)	State what each	of the	architectural	symbols	shown	at	i),	ii),	iii),	iv),	v),	vi),	vii)
	represent.												

ii)

i)			
,	•		

i)

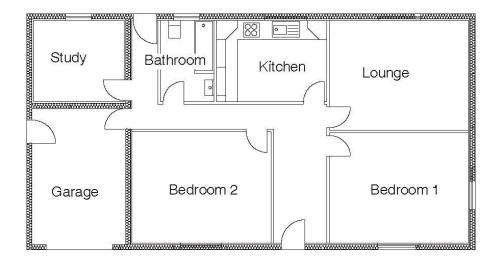
iii) (v)

v) vi)

vii)

(7)

Architects also use several types of plans like the one shown below.



(b) i) State the name given to this type of plan.

ii) State an appropriate scale for this type of plan.

iii) State the names of two other types of plan commonly used by architects

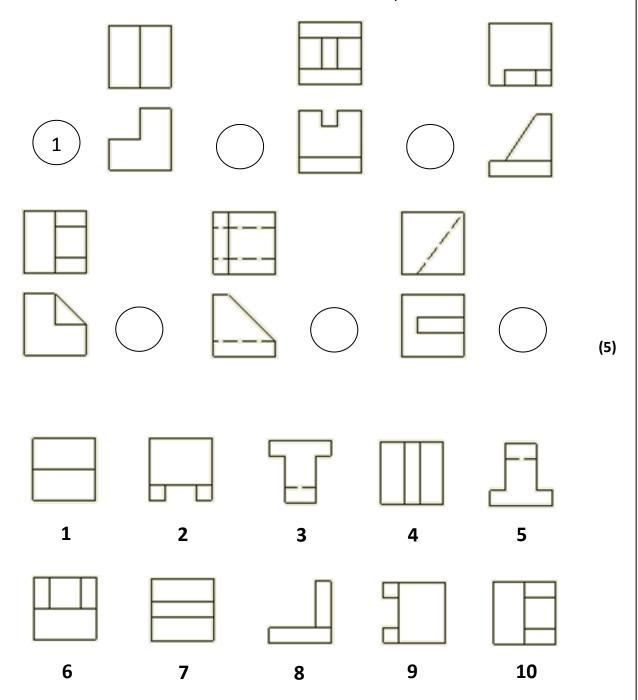
Plan 1 _____

Plan 2 _____

(4)

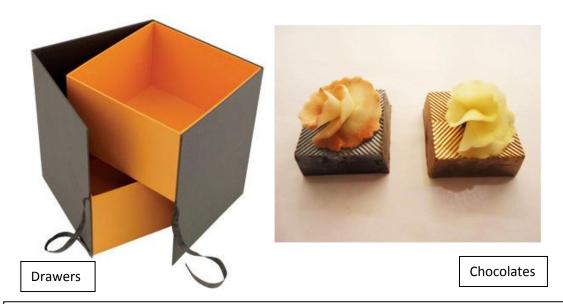
Question 4.

In each of the following problems a circle indicates the position of the missing Orthographic view. For each problem enter the correct view number from the possible solutions numbered 1-10. The first one has been done for you.



Question 5.

A major high street confectioner is launching a new range of chocolates and is giving away free samples as a promotional exercise. These small samples will be contained in the packaging shown below. Each drawer will have one chocolate in it. The confectioner wishes to have each chocolate sample presented in the best possible way to ensure maximum impact for future sales.



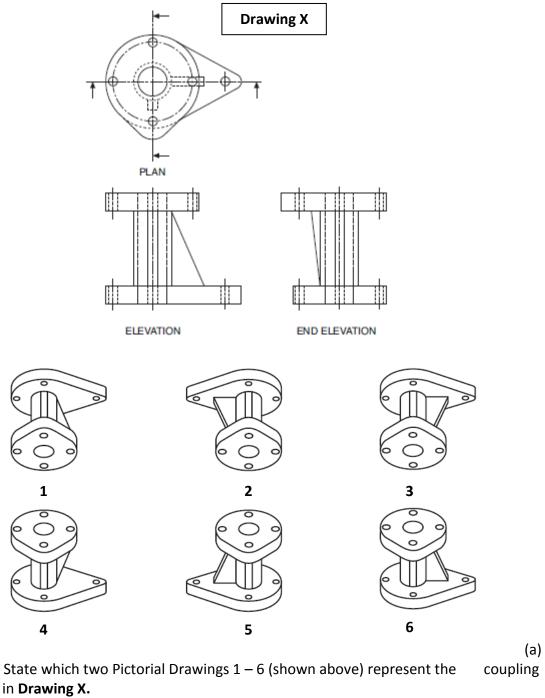
The size of the drawers when in the closed position is 50mm x 50mm x 50mm.

Each Pack will contain two chocolates with each drawer containing one sample chocolate.

Your task is to design a surface development package that will contain the drawers (shown above). You must remember that this is a promotional exercise therefore how the product looks is very important. You may use the space below for sketching and annotating your surface development idea. (3+2)

Question 6.

The Elevation, Plan and End Elevation of a coupling are shown in **Drawing X** below



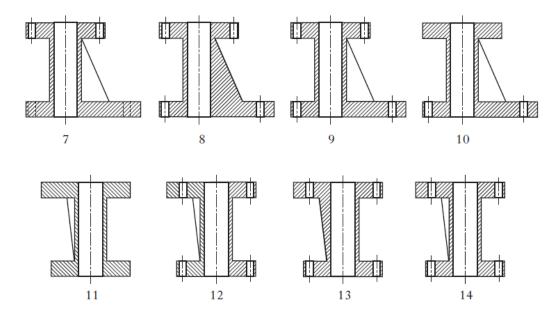
shown in **Drawing X.**

i)	ii)	(2)
	 _	 ι-,

(b)	State the names of two types of Pictorial drawings that could be used to drav
	the coupling shown above.

i)	(2)
----	-----

Eight sectional views 7 -14 are shown below



(c) State which two sectional views represent the coupling shown in **Drawing X**

i) ______ ii) _____ (2)

Question 7.

Product Title

AM Health Drinks

Slogan

Giving Yourself a Better AM

Background Box

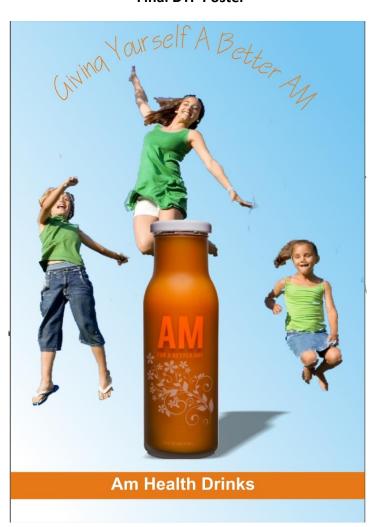


Image





Final DTP Poster



The desktop publishing (DTP) poster opposite is used to promote the brand AM Health Drinks. The text and images used to create the layout are shown in their original form. The original set of images and text have been edited using a desktop publishing (DTP) package before being placed in the final poster.

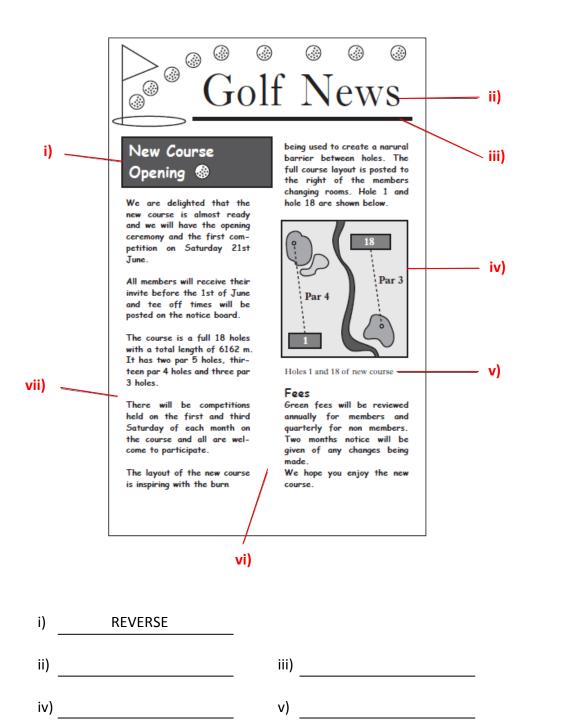
i)	Background box	
ii)	Product	
iii)	Photograph of people	
iv)	Product title	
v)	Slogan	
•	you think the designer has used the same colour in the and slogan.	e flashbar,

(6)

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Question 8.

State the desktop publishing terms for each of the numbered elements. **X** has been done for you.



vii)

vi)