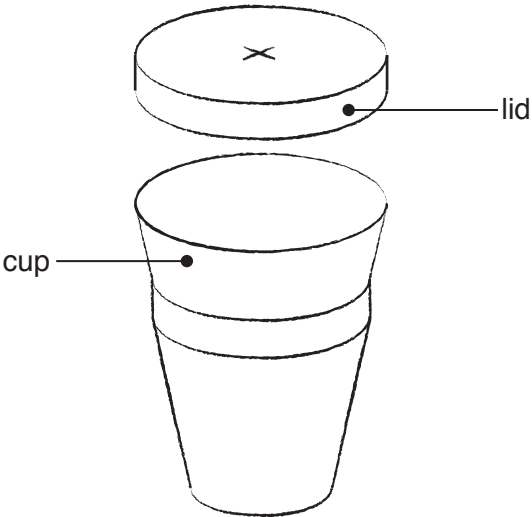


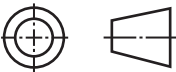
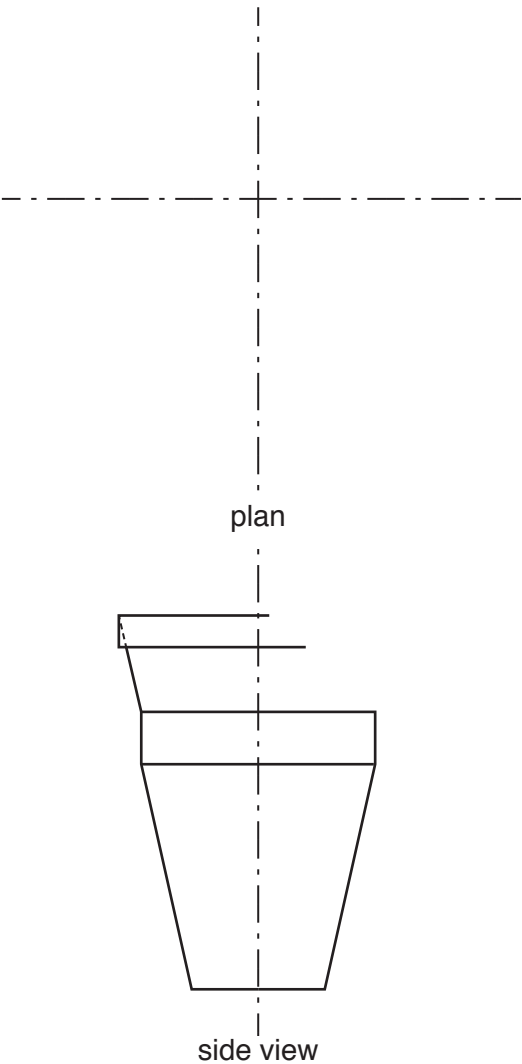
Section A
 Answer **all** questions in this section.

A1 A sketch of a plastic cup and lid is shown below.



Complete the orthographic views of the plastic cup with the lid in place shown below.
 Include hidden detail.

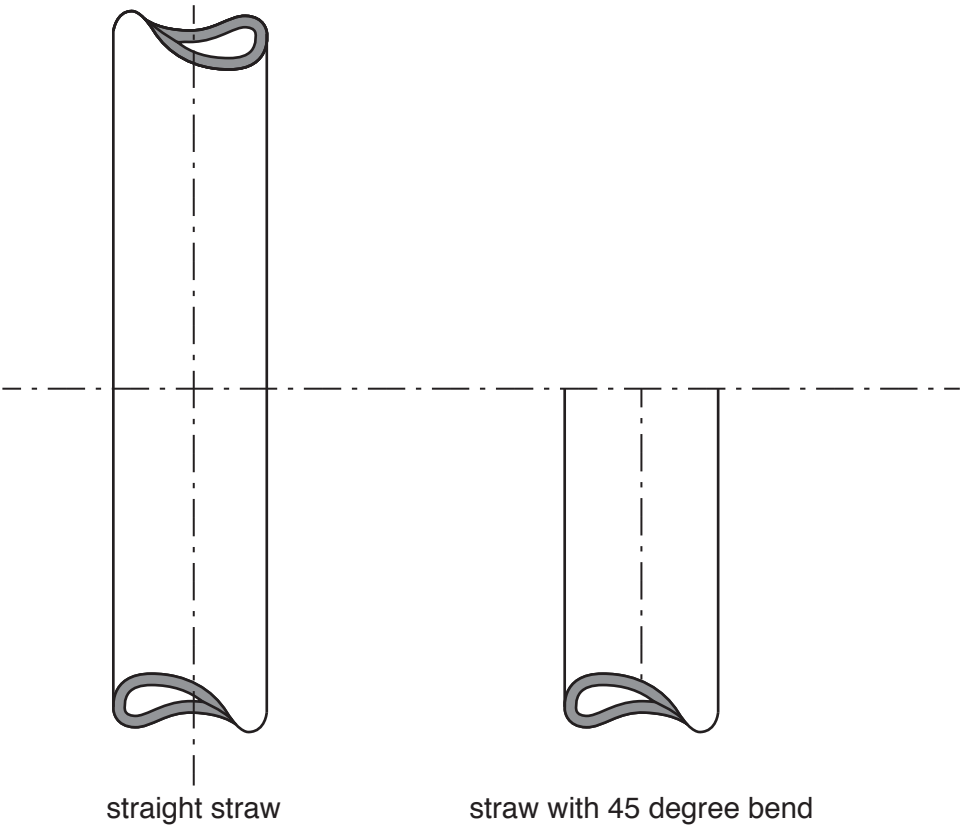
[7]



A2 (a) Name a method of manufacturing the lid of the cup.

..... [1]

(b) A straw is pushed into the hole in the top of the lid. Complete the drawing below to show part of a straw with a 45 degree bend. [4]



(c) Explain why the cup is wider at the top than at the bottom.

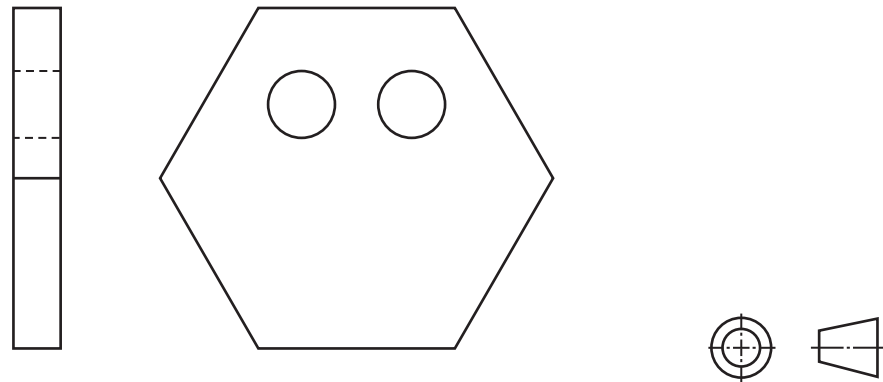
.....

 [2]

For Examiner's use

A3 A face shape cut from foam board sheet is to be added to the plastic cup.

Orthographic views of the face shape are shown below.



(a) Construct a 2 : 1 planometric drawing of the face shape in the space below.
Sizes should be taken from the orthographic views. [7]

(b) Use a sketch and notes to show a method of attaching the foam board face shape to the cup. [2]

(c) State **two** reasons why the face would be added to the cup.

1. [1]

2. [1]



Answer **either** question **B4** or **B5**.

card sleeve

FRESH FRUIT

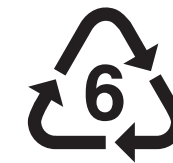
plastic pot

- FRE**
- F IT**
- 
- A black silhouette of an apple with a short stem and a single leaf, positioned in the upper right area of the page.

- [6]

- (c) The apple shape on the card sleeve is to be embossed.
- Use a sketch and notes to show what is meant by the term 'embossed'. [2]

- (d)** Explain why the symbol shown below is on the plastic pot.



.....

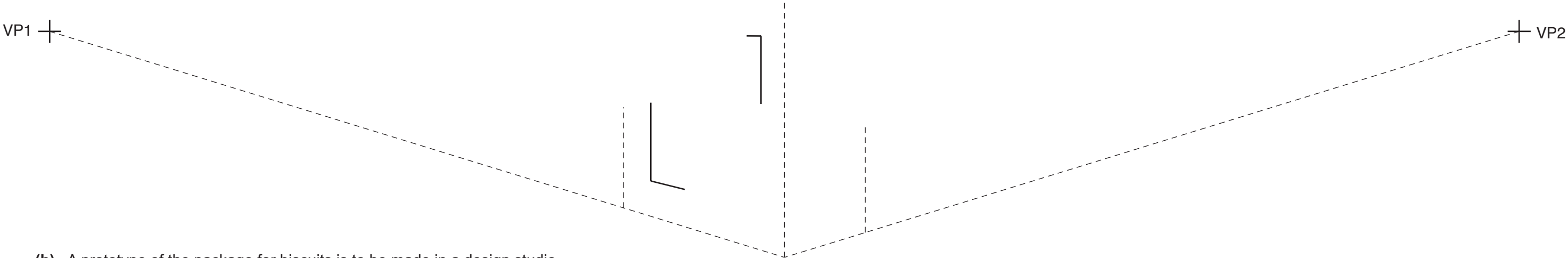
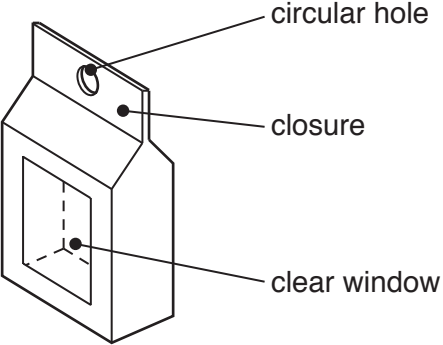
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.....

..... [3]

B5 A package for biscuits is shown on the right. The package is made from paper and has a clear window on the front surface.

(a) On the start lines below complete the two point perspective drawing of the package. [16]



(b) A prototype of the package for biscuits is to be made in a design studio.

- (i)** Name a material that could be used to make the clear window.
..... [1]
- (ii)** Use sketches to show a method of making and attaching the clear plastic window to the package. [4]

- (c) (i)** Complete the list below to show **three** pieces of information that should be printed on the package.
 - 1. Eat within one week of opening.
 - 2. [1]
 - 3. [1]
- (ii)** Use a sketch and notes to explain why the closure has a circular hole in it. [2]

