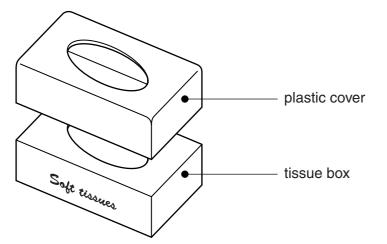
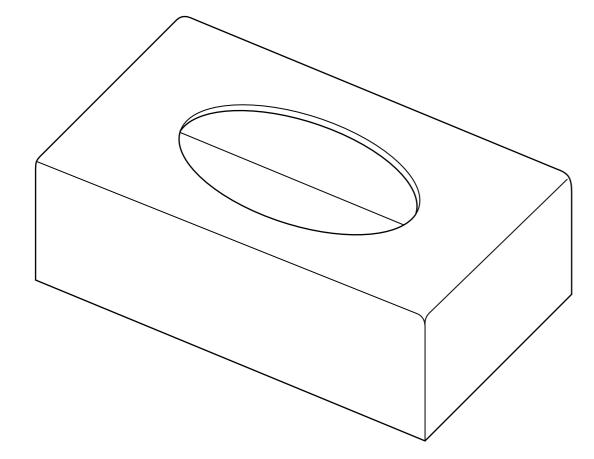


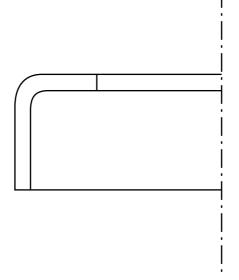
A3 An exploded sketch of the tissue box and a plastic cover is shown below.



(a) Render the drawing of the tissue box cover below to make it appear like shiny plastic. [3]



(b) Complete the sectional view below of the plastic cover.



(c) (i) Name a plastic that could be used to make the cover.

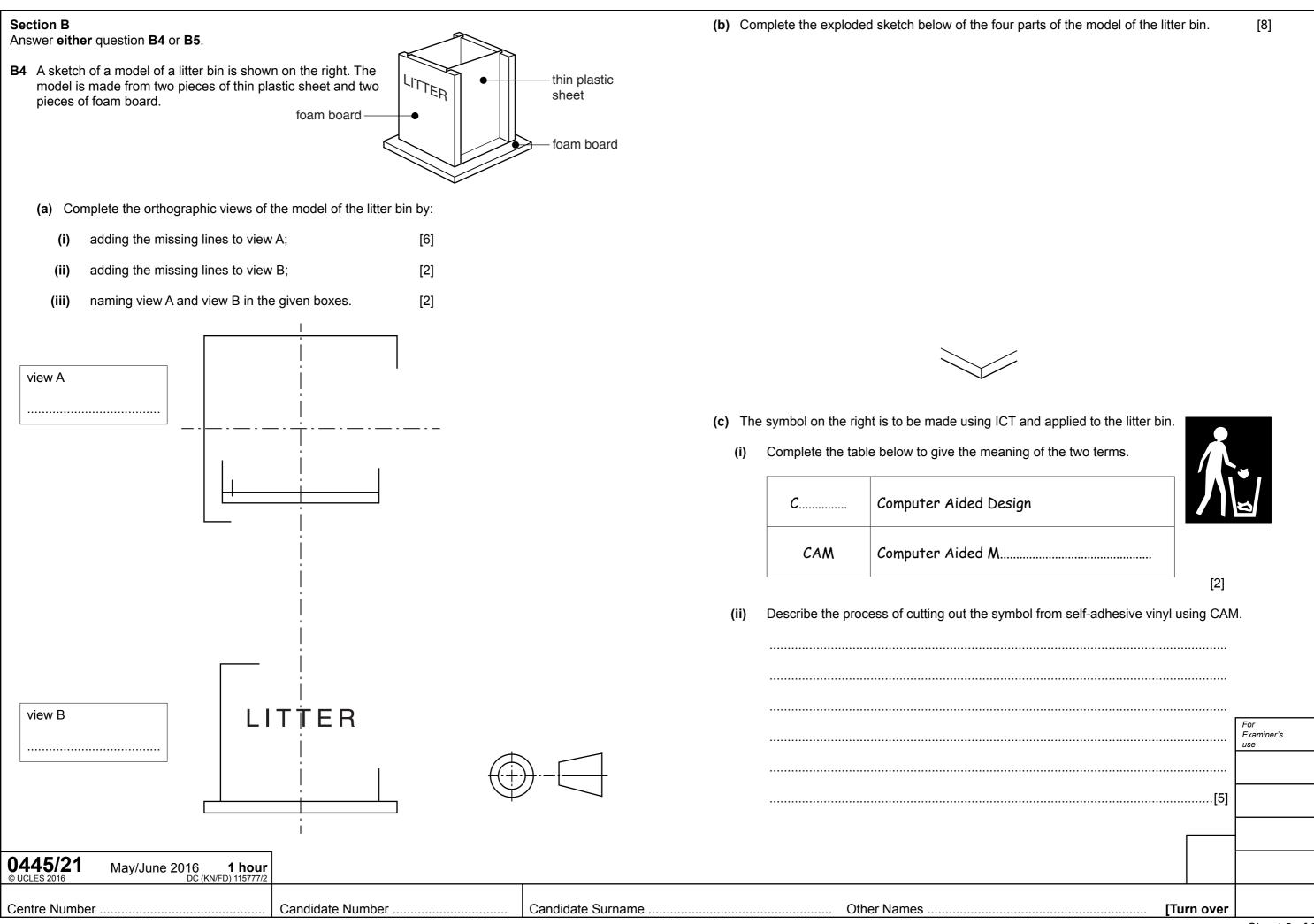
.....[1]

[4]

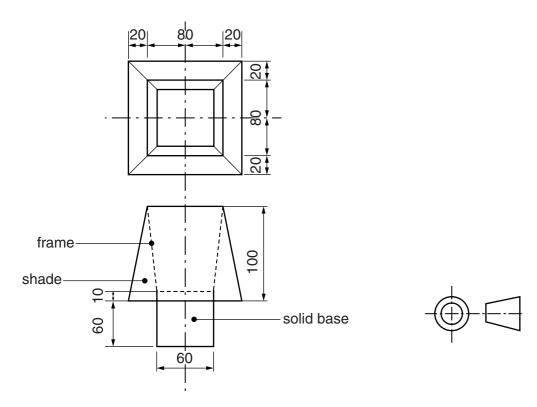
(ii) Give two reasons why this plastic is suitable for this product.

1. .....

2. .....



**B5** Orthographic views of a model of a lamp are shown below.



- (a) On the start lines below draw scale 1 : 2 isometric drawings of:
  - the solid base; [5]
  - [7] the shade.

(b) Complete the table below to show the materials used to make the model of the lamp.

|       | Material        | Reason   |
|-------|-----------------|--|
| base  | [2]             | This material is used for the base because it is available in large blocks and is easy to cut to shape with a craft knife or hot wire. |
| shade | Laminated paper | [2]  |
| frame | [2]             | This material is used to hold the shade in place on the lamp because it can be bent to shape by hand and held in place with tape.      |

(c) Use sketches and notes to explain how polymorph could be used to produce an ergonomically designed switch for the model of the lamp.

shade

base