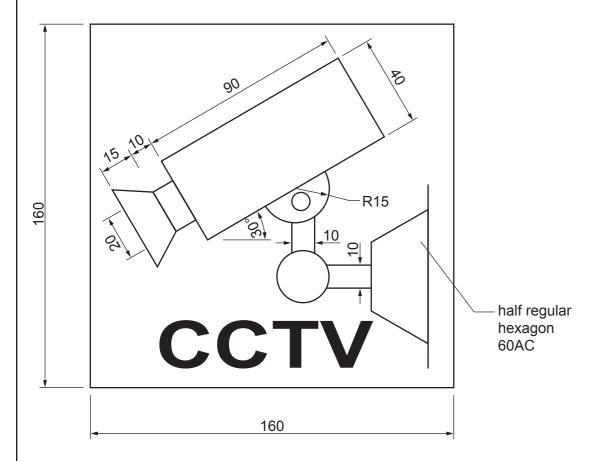
Section A

Answer all questions in this section.

A1 A warning sign is shown below.



Complete the full-size drawing of the warning sign in the space provided to the right by adding:

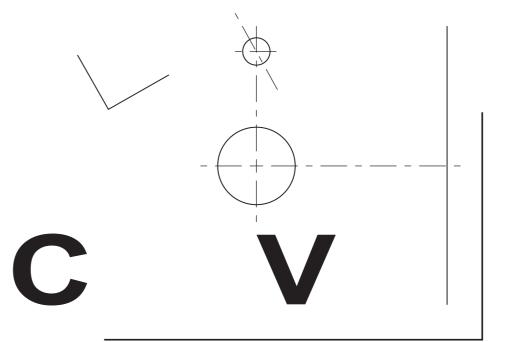
(a) the outer square [1]

(b) the half hexagon [3]

(c) the camera [4]

(d) the bracket arm [4

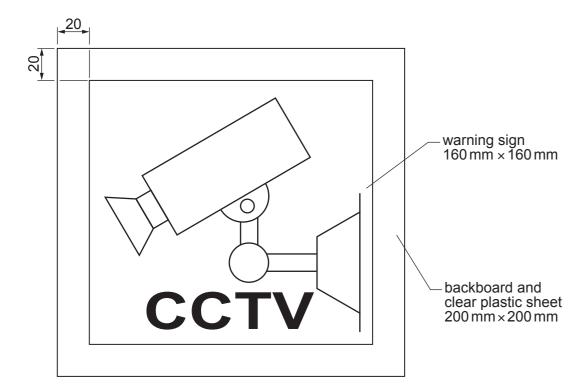
(e) the missing letters of CCTV. [2]



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	0 11 1 1	

A2 The warning sign will be mounted to a 20 mm thick MDF backboard and covered in a thin clear plastic sheet.

The MDF backboard and clear plastic sheet are 40 mm wider and 40 mm taller than the warning sign to create a 20 mm border around the edge of the sign.



Complete the exploded isometric view of the sign parts to a scale of 1:2 by adding:

(a) the 20 mm thick MDF backboard [5]

(b) the thin clear plastic front sheet. [4]

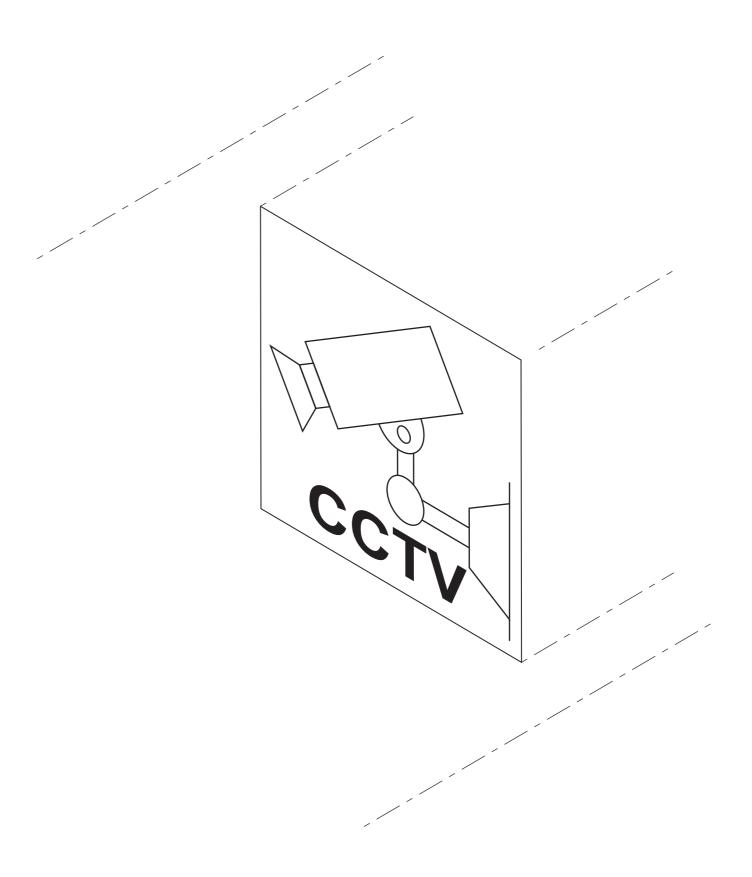
A3 The warning sign will be made from card and produced in quantities of 10000.

(a) State **one** suitable printing method for the card warning sign.

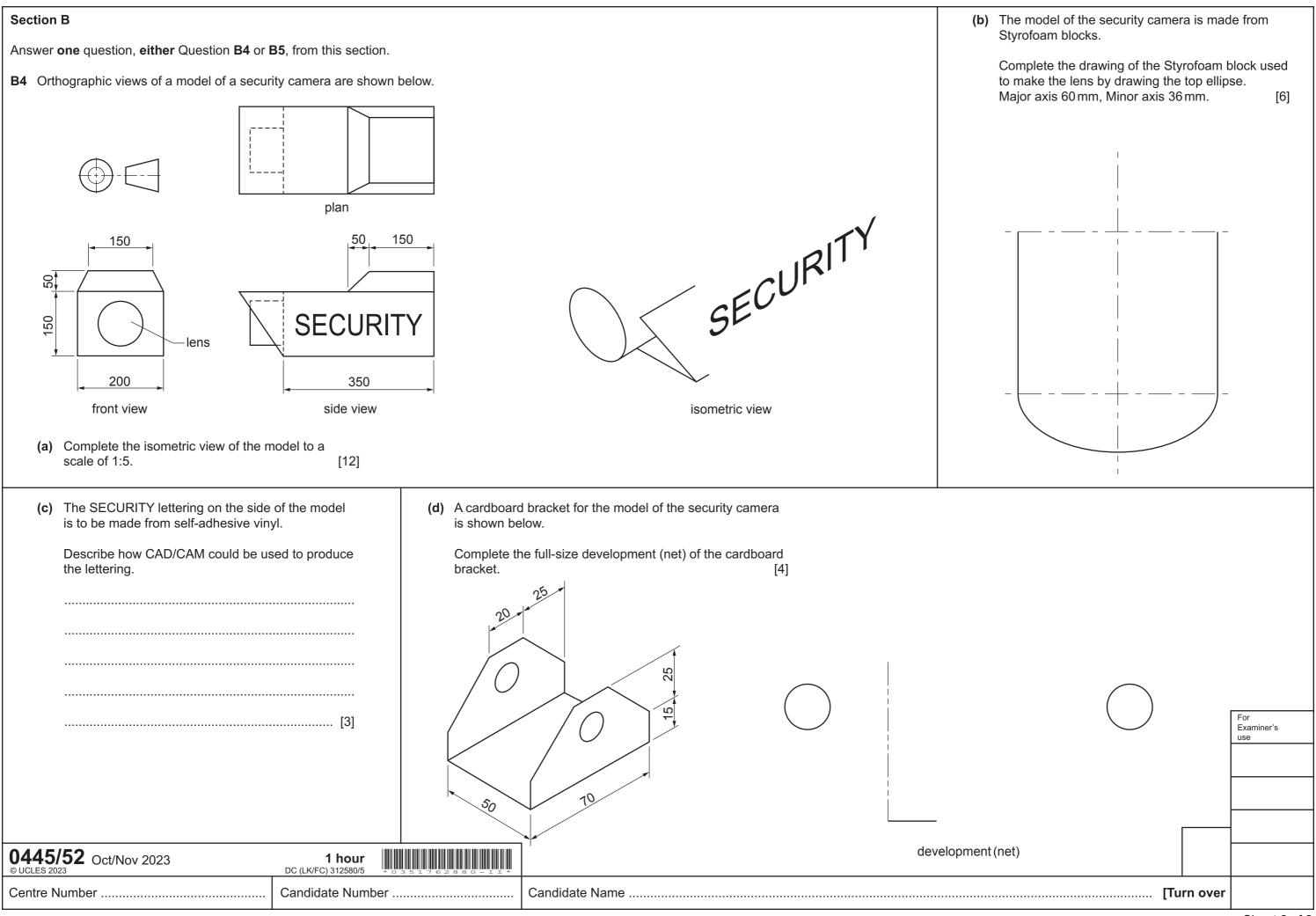
.....[1]

(b) Name a suitable clear plastic sheet for covering the card warning sign.

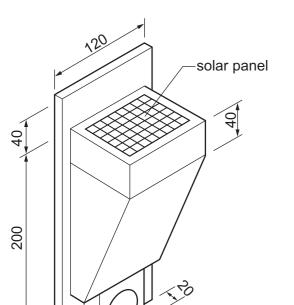
......[1]



exploded isometric view

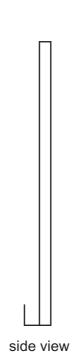


B5 A security light is shown below.

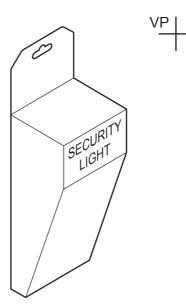


plan

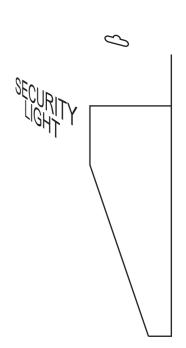




(b) A package for the security light is shown below.



Complete the estimated one-point perspective view of the security light package.



estimated one-point perspective view

[3]

(a) Complete the orthographic views of the security light to a scale of 1:4. [11]

(c) A symbol is needed for the security light package.

The symbol must show that the security light must **not** be placed in a recycling bin.

Sketch a design for the symbol in the space below. [3]

(d) The symbol shown below will also be printed on the security light package.



State the meaning of the symbol.

.....[1]

(e) In use, the security light only turns on when it is dark and it senses movement.

[7]

Once the light turns on, it stays on for 2 minutes and then turns off again.

Complete the flowchart of the security light operation.

