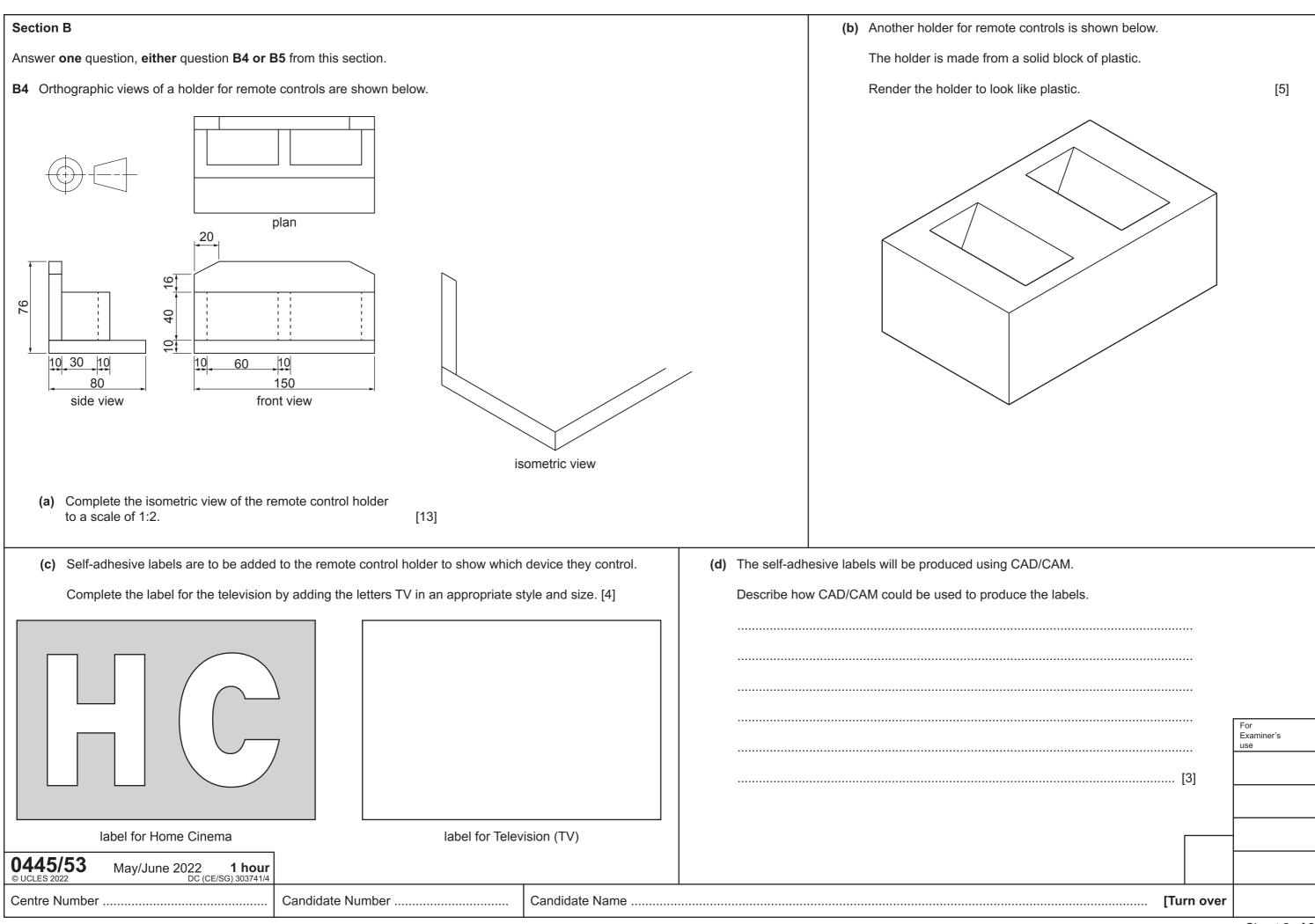
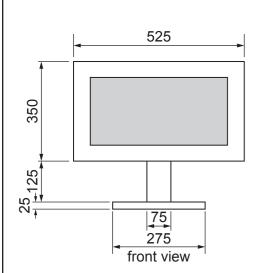
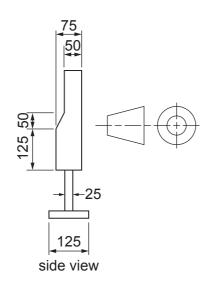
Section A Answer all questions in this section. **A1** A design for a remote control handset is shown below. Complete the full size orthographic views of the remote control handset in the space provided to the right by drawing: (a) the missing button outlines on the plan [2] [7] (b) the front view (c) the side view. plan side view **A2** A model of the remote control handset is to be made from Styrofoam. Complete the table below to show one tool/item of equipment for each process used in the making of the remote control handset. front view **Process** Tool/item of equipment Cutting out the shape of the handset Smoothing and rounding off the edges Attaching the buttons to the handset 0445/53 May/June 2022 1 hour DC (CE/SG) 303741/4 Centre Number Candidate Number

A3 Four of the buttons on the remote control handset are shown below. inner arc R8 outer arc R10 on/off pause regular equilateral octagontriangle 20AF on/off pause play record Complete the drawings of each button to a scale of 2:1 by adding: (a) the missing rectangle to the pause button(b) the missing arcs and end line to the on/off button [2] [3] [3] [2] (c) the missing octagon to the record button(d) the missing sides of the equilateral triangle to the play button. record play 0445/53 © UCLES 2022 May/June 2022 1 hour

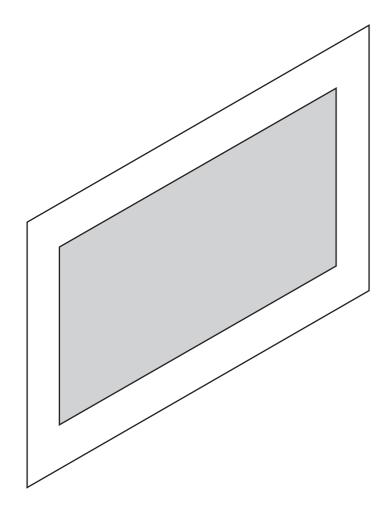


B5 Orthographic views of a flat screen television are shown below.



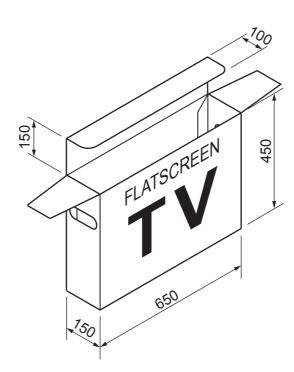


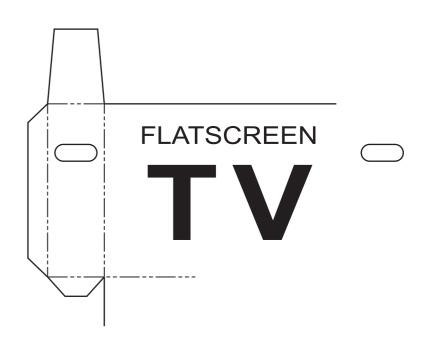
(a) Complete the 60/30 planometric view of the flat screen television to a scale of 1:5 in the space below. [1



(b) A package for the flat screen television is shown below.

The package is made from corrugated cardboard.





(i) Complete the development (net) of the package for the flat screen television to a scale of 1:10. [10]

(ii) State **one** property of corrugated cardboard that makes it suitable for the flat screen television package.

.....[1]

(c) The packaging is to be produced in quantities of 10 000.

State **one** suitable method of:

(i) printing the text onto the development (net).

.....[1]

(ii) cutting out and creasing the development (net) ready for assembly.

[1]

for the flat screen television.



[2]

.....

(d) The symbols shown below are also to be printed onto the package

Give the meaning of each symbol in the space provided.