

**A3** The sign is fixed to the stand shown below. [9] **(b)** Complete the plan of the stand to a scale of 1:4 in the space below. backboard for sign 12 mm thick plywood centre post plan The base and centre post of the stand are made from  $40 \times 40$  softwood. One of the base pieces is shown below. (a) Render the base piece to look like softwood. [2] front view 0445/53 © UCLES 2022 Oct/Nov 2022 1 hour

## **Section B** Answer one question, either question B4 or B5, from this section. **B4** Orthographic views of a design for a tent are shown below. 100 16 window 34 × 12 9 6 16 32 80 80 side view front view (a) A model of the tent is to be made from thin card. Complete the one-piece development (net) of the model tent to a scale of 1:2. (b) The development (net) of the model tent is to be produced (c) Complete the one-point perspective view of using CAD/CAM. the assembled model tent in the space below. [10] (i) Describe **one** advantage of using CAD to draw the development (net) instead of drawing by hand. .....[2] (ii) Name one piece of CAM equipment that could be used to cut out the development (net) from thin card. (iii) State an appropriate adhesive that could be used to assemble the development (net). ......[1] 0445/53 Oct/Nov 2022 1 hour DC (CJ/SW) 303776/2 1 hour Centre Number ..... Candidate Number ..... Candidate Name Sheet 2 of 2

