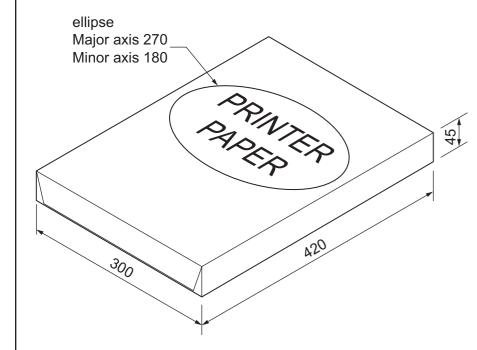
Section A

Answer all questions in this section.

A1 A package for printer paper is shown below.



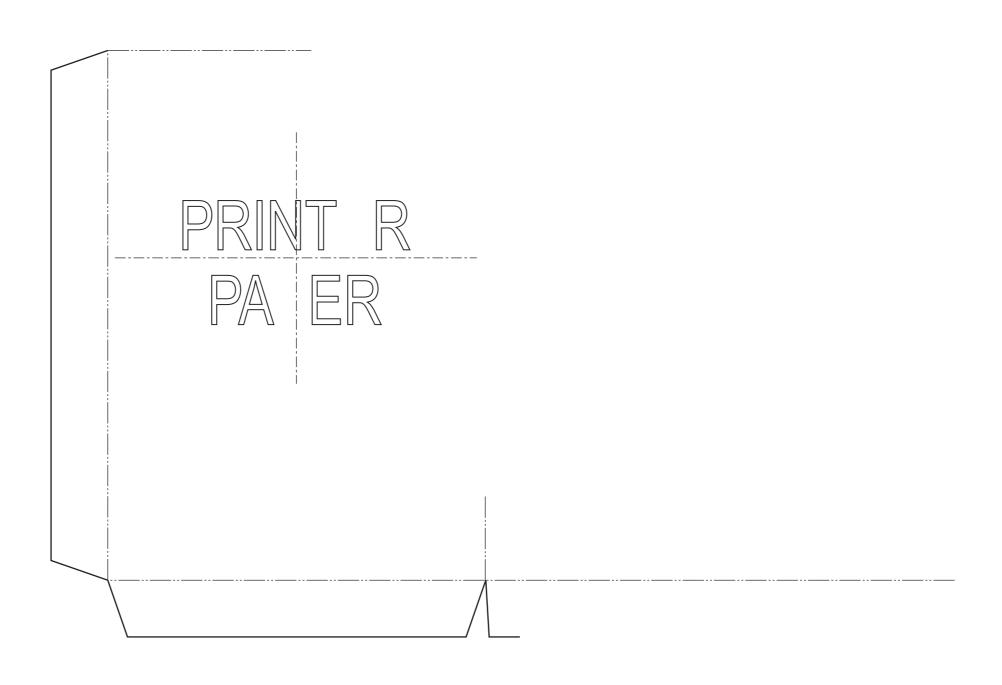
In the space provided to the right, complete the development (net) of the package to a scale of 1:3 by drawing:

(a) the outer shape of the package

(b) the ellipse on the front of the package

[9] [6] [2]

(c) the missing letters of PRINTER PAPER.

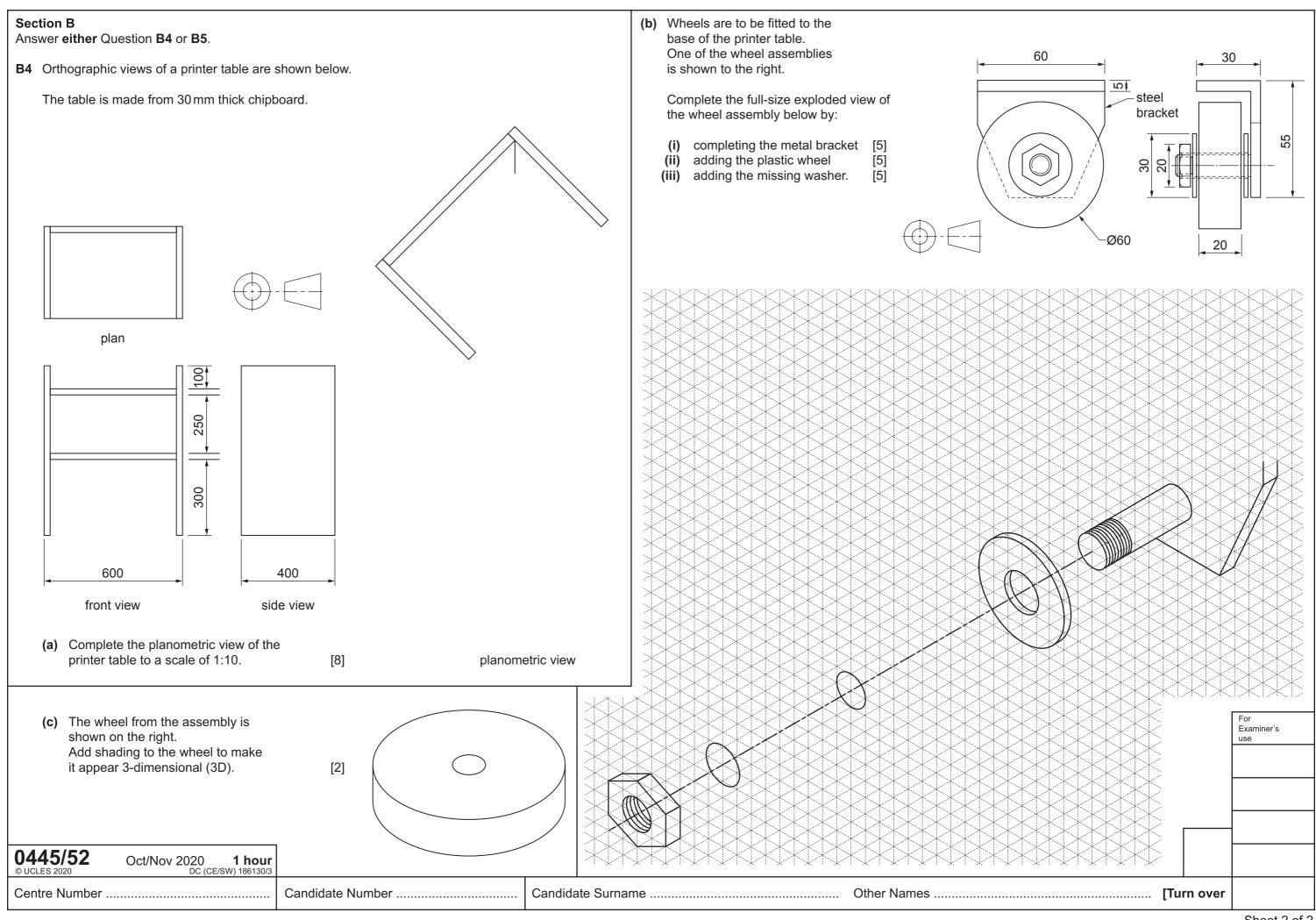


0445/52 © UCLES 2020 Oct/Nov 2020 1 hour

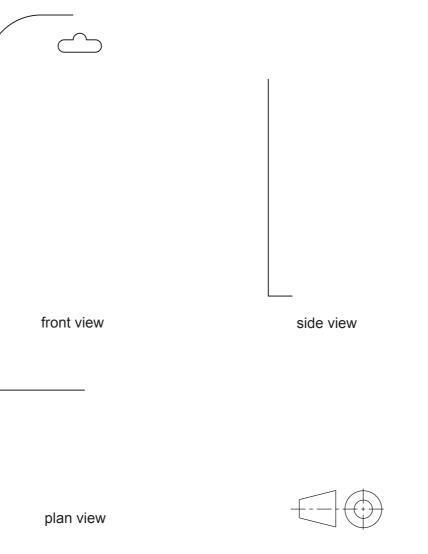
Centre Number

Candidate Number

A2 Orthographic views of a box file for the printer paper are shown below.							
		VP					
	plan						
	side view	front view					
	Complete the one-point perspective of the box file shown opposite. Ignore the thickness of the material. [6]						
A 2	Ignore the thickness of the material.	to be muchused in acceptation of 20,000					
A3 The package for the printer paper is to be produced in quantities of 20,000. Offset Lithography will be used to print information onto the package.							
State two advantages of using Offset Lithography.							
04 © UCL	0445/52 Oct/Nov 2020 1 hour						

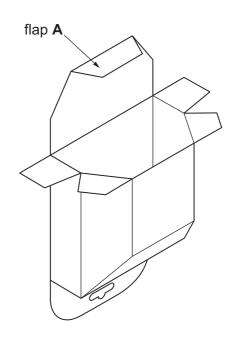


B5 A package for a printer cartridge is shown below. -R30 150 front view side view plan view (a) In the space provided, complete the half-size orthographic views of the printer cartridge package. [13] (c) The symbols to the right are to be printed onto the printer cartridge package. (i) State the meaning of the two symbols.



(b) The printer cartridge package is opened from the bottom as shown below. Whilst on display some packages have come open by accident.

In the space below, use sketches and notes to show a modification to flap A of the package that will lock the flap in place and prevent it from opening accidentally.



(d) A prototype of the printer cartridge package is to be made by hand from thin

Complete the table below by naming **one** tool or item of equipment for each stage of the making process.

Making process	Tool or item of equipment
Drawing out the net onto the card	
Cutting out the net	
Scoring along the fold lines	
Assembling the net into the package	
shape	

The images of the symbols are drawn using a CAD program on a computer. Explain **one** advantage of using a computer to produce the images compared to drawing them by hand.

Symbol A



Symbol A

Symbol B