

Design and Technology
COMPONENT 1: Textiles

Monday 19 June 2023 – Morning

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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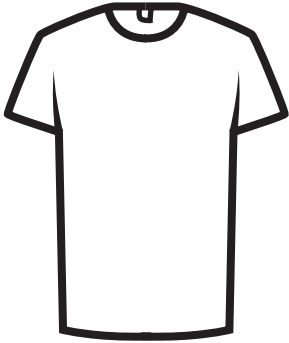
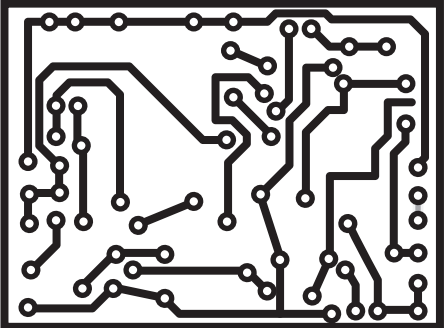

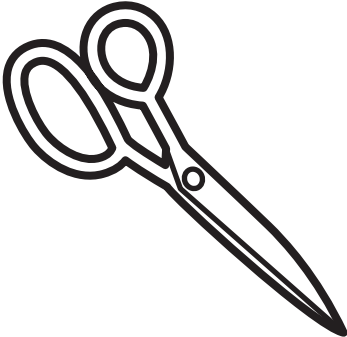
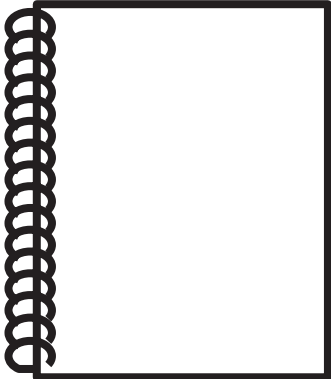
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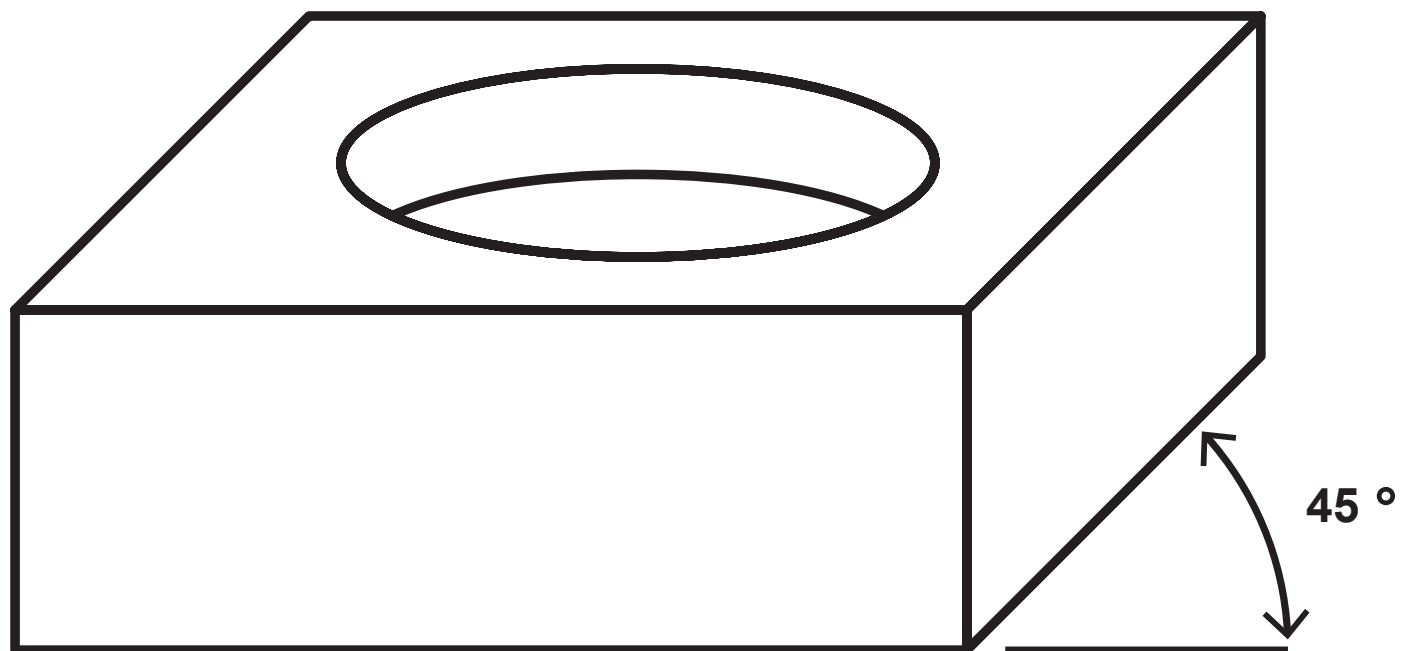
Question 1(a)

FIGURE 1

Picture of product	Material and product	Property
	Cotton T-shirt	Soft
	Polyester resin printed circuit board (PCB)	(1 mark) (i) _____
	Balsa wood toy plane	(1 mark) (ii) _____
	Stainless steel kitchen scissors	(1 mark) (iii) _____
	Solid white board hardback book cover	(1 mark) (iv) _____

Question 2

FIGURE 2



Question 2(c)**FIGURE 3**

All dimensions in mm

Ø – diameter



Question 2(d)

FIGURE 4

All dimensions in mm

Volume of cylinder = $\pi \times r^2 \times h$

Use $\pi = 3.142$

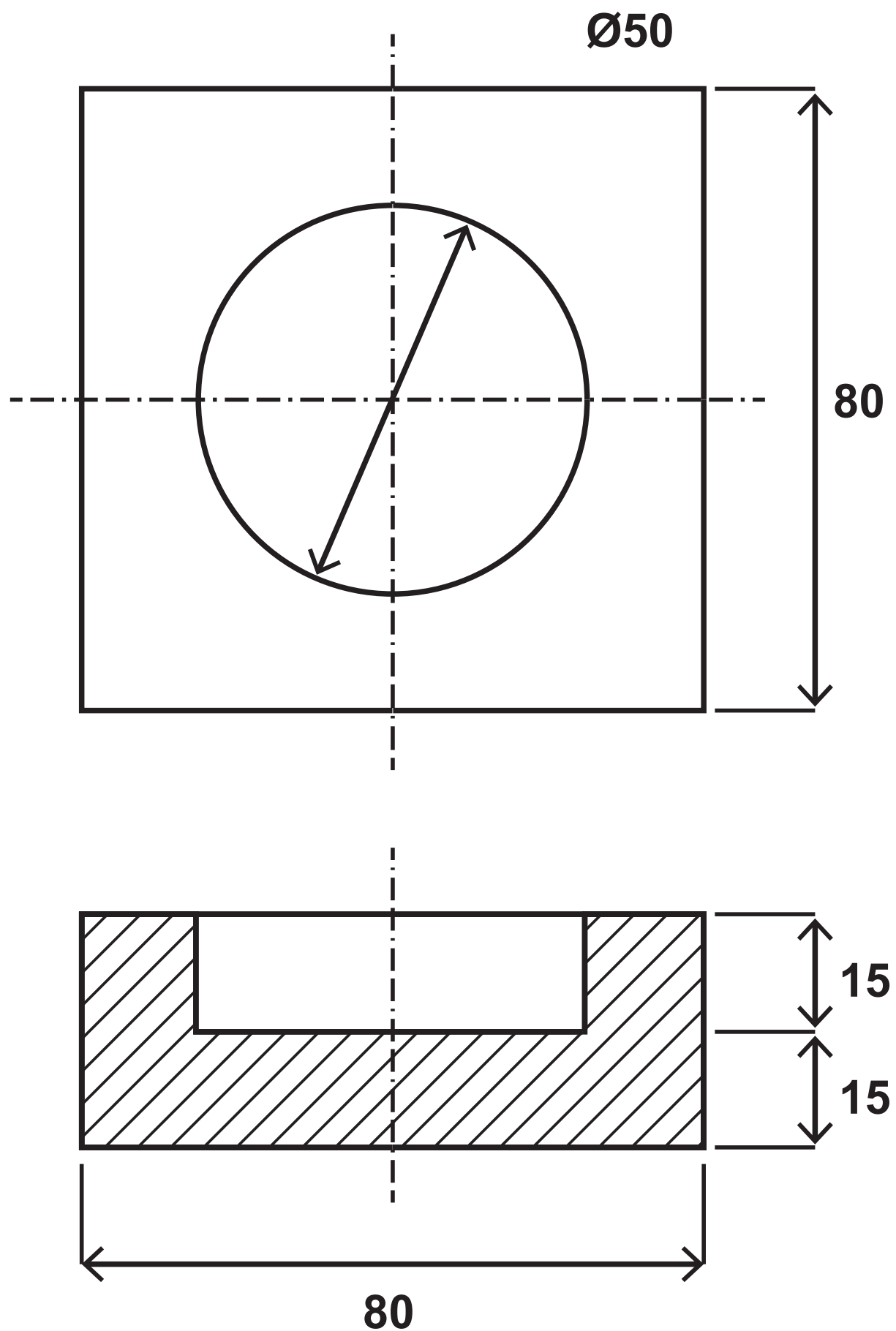
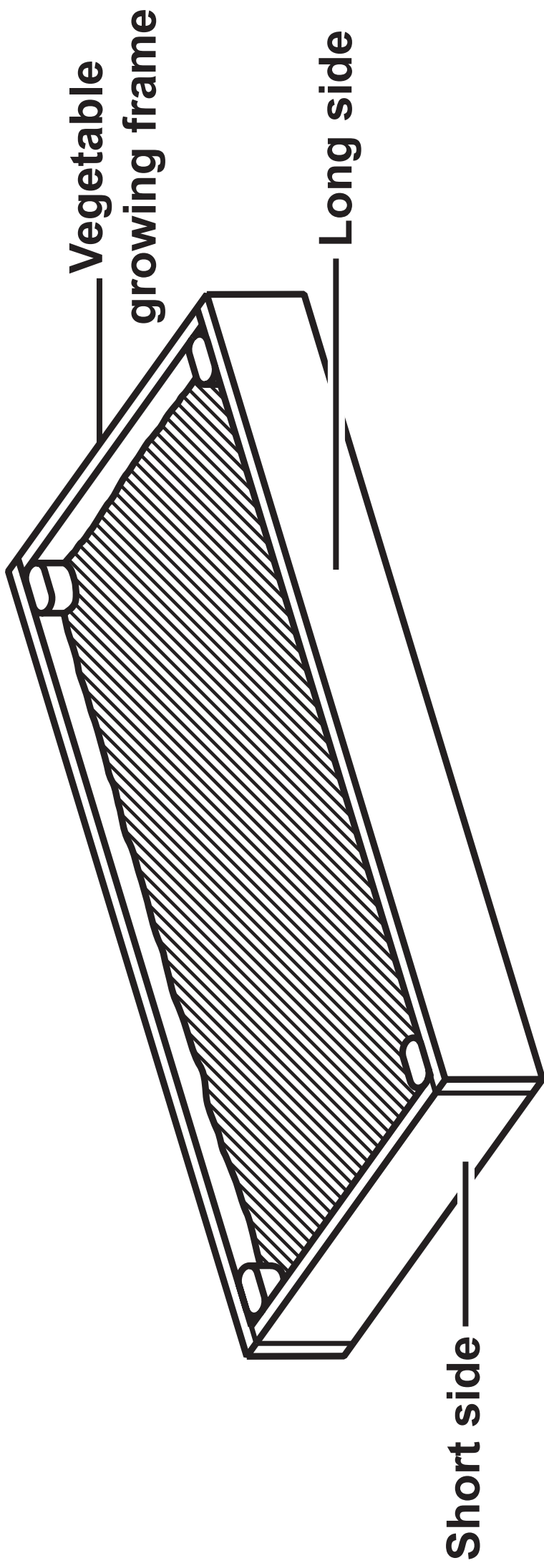
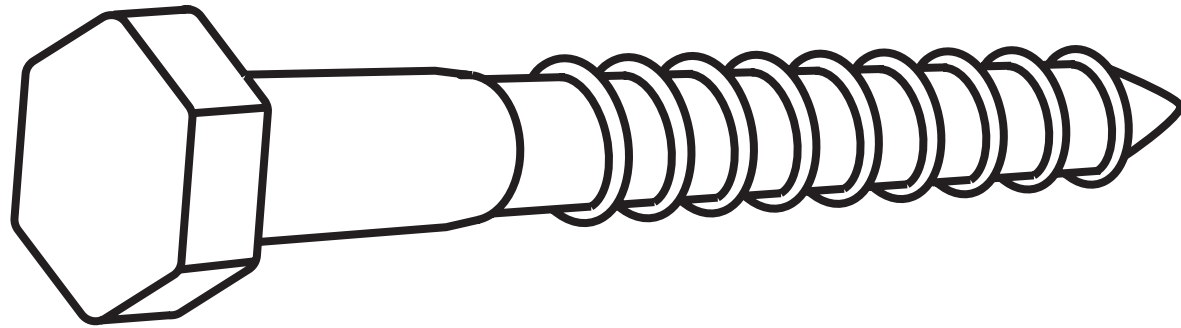


FIGURE 5



Question 3(d)**FIGURE 6**

Question 4

FIGURE 7

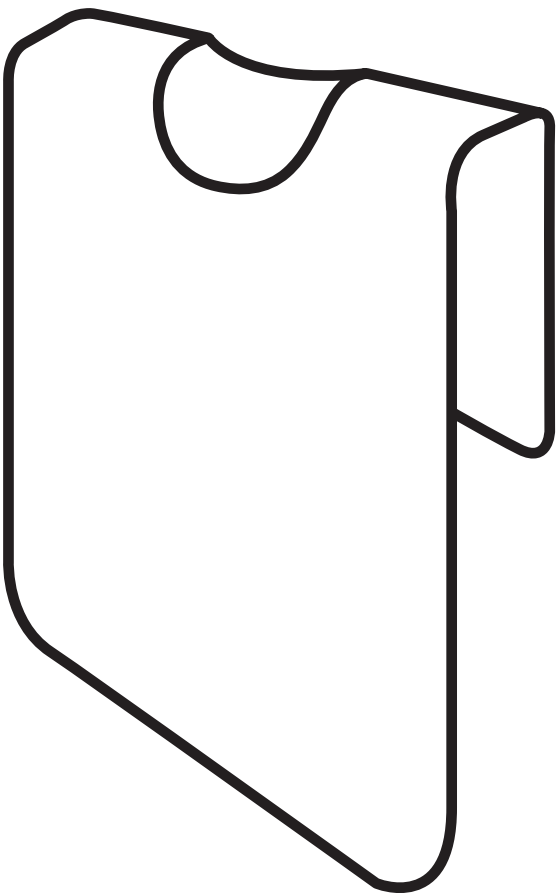


Question 5

FIGURE 8

Additional information

Average waist size of a child:	
6–7 yrs	57 cm
7–8 yrs	58 cm
8–9 yrs	60 cm
9–10 yrs	62 cm



Question 5(a)

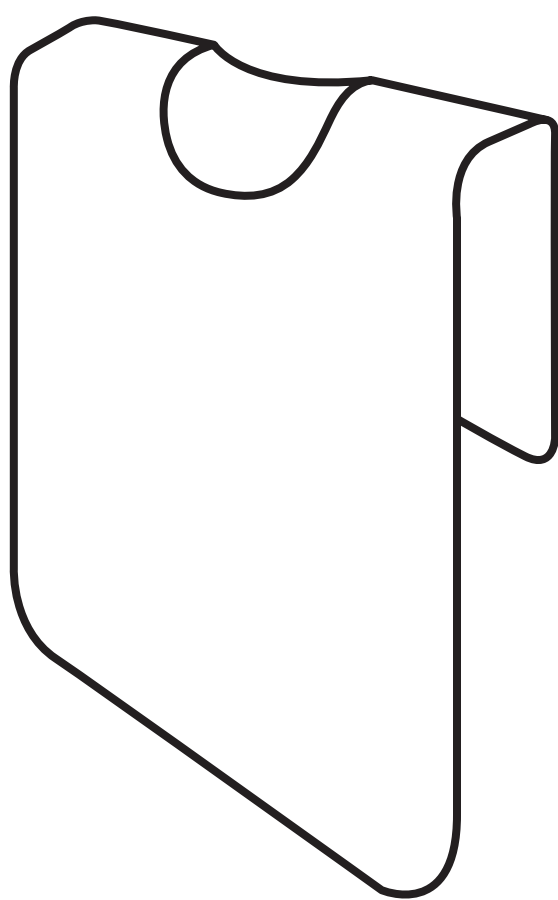
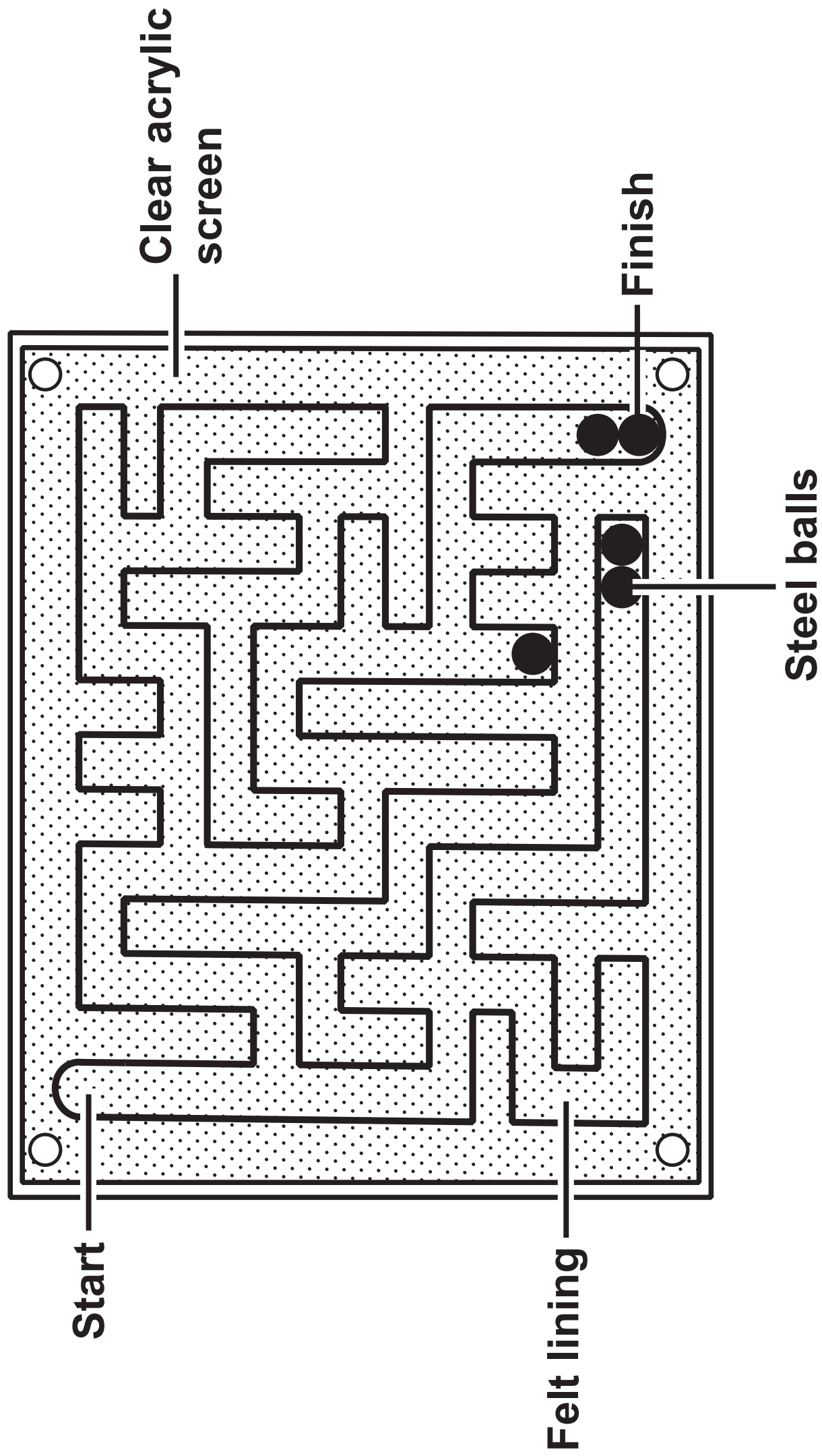
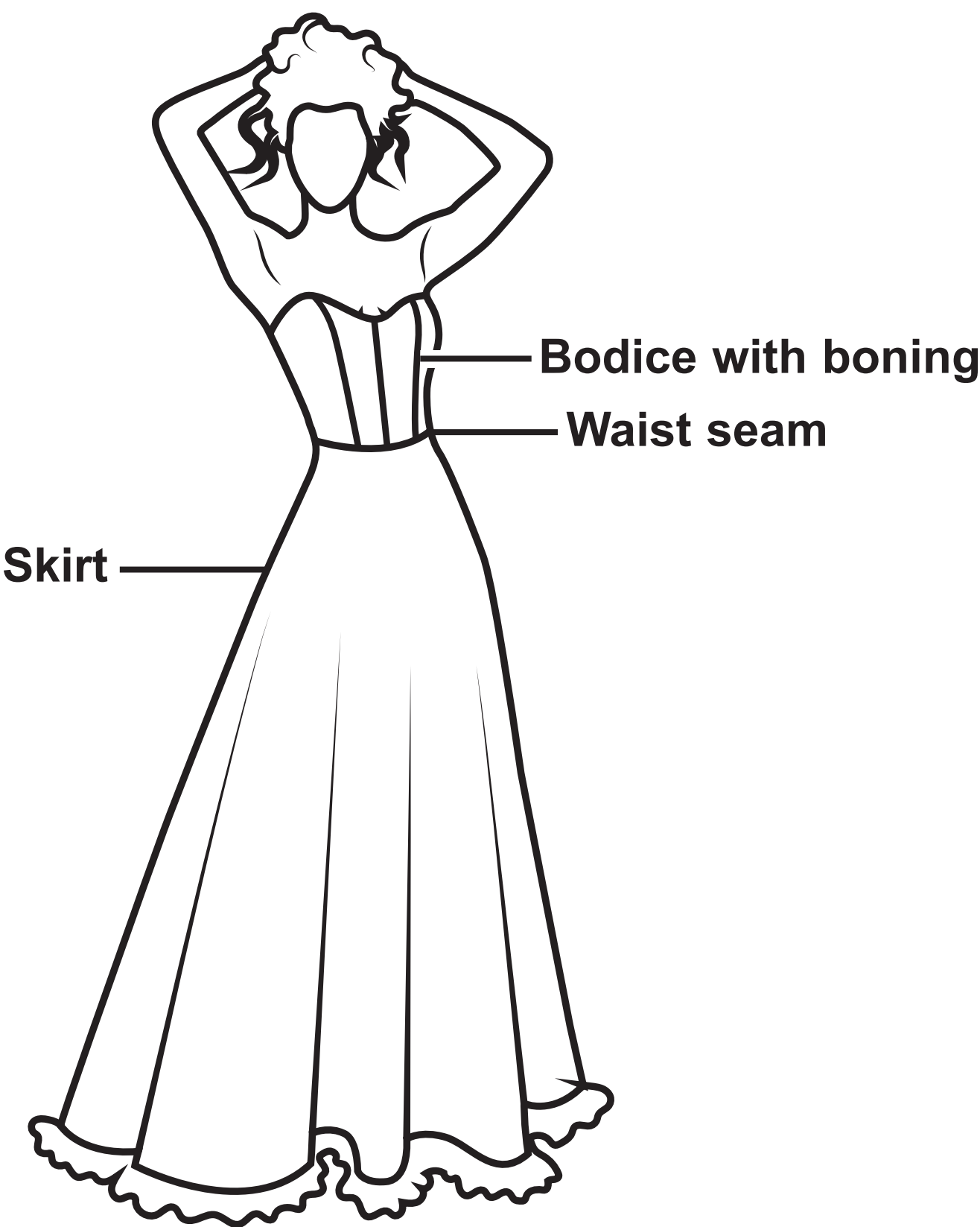


FIGURE 9



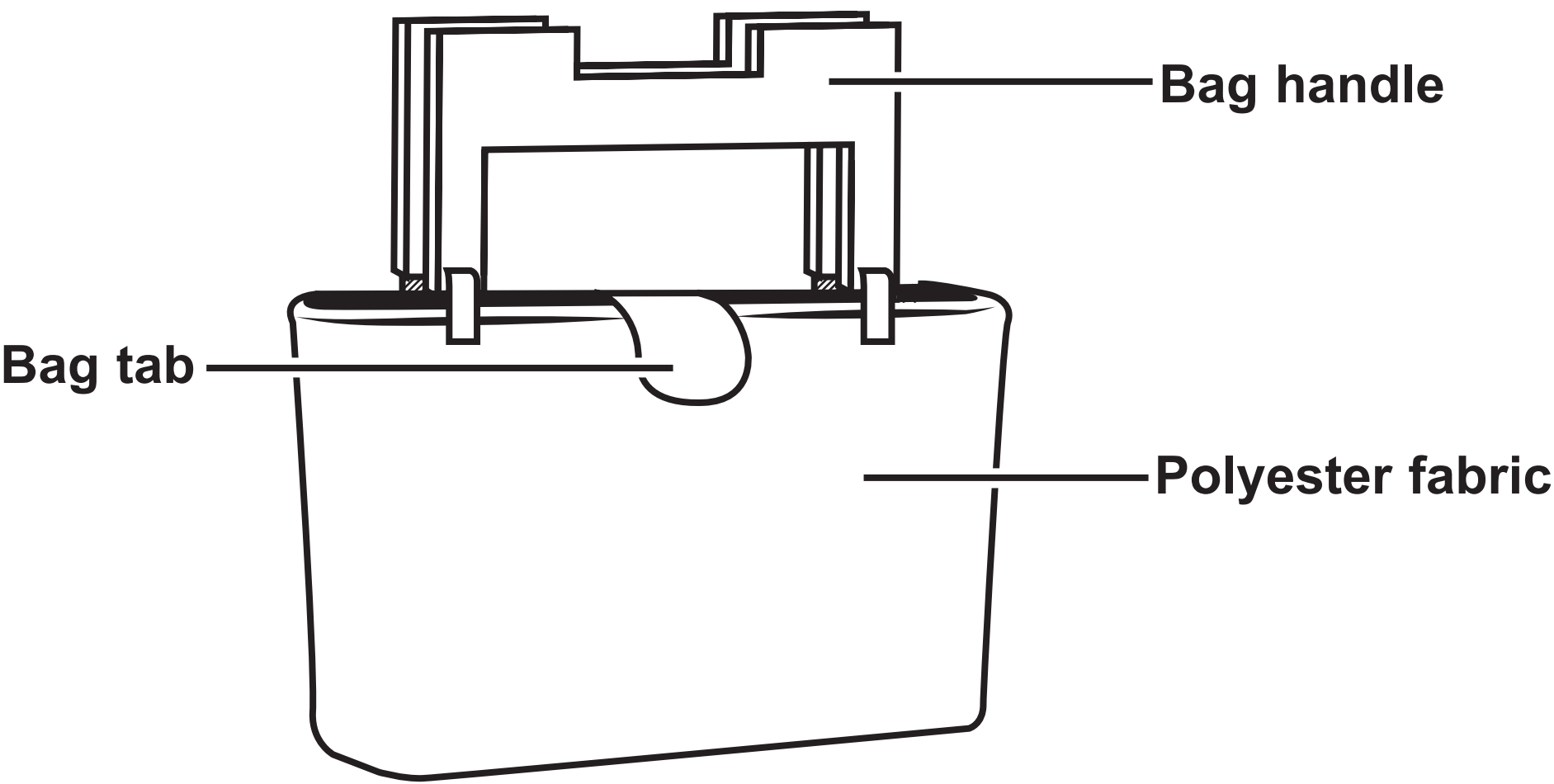
Question 6

FIGURE 10



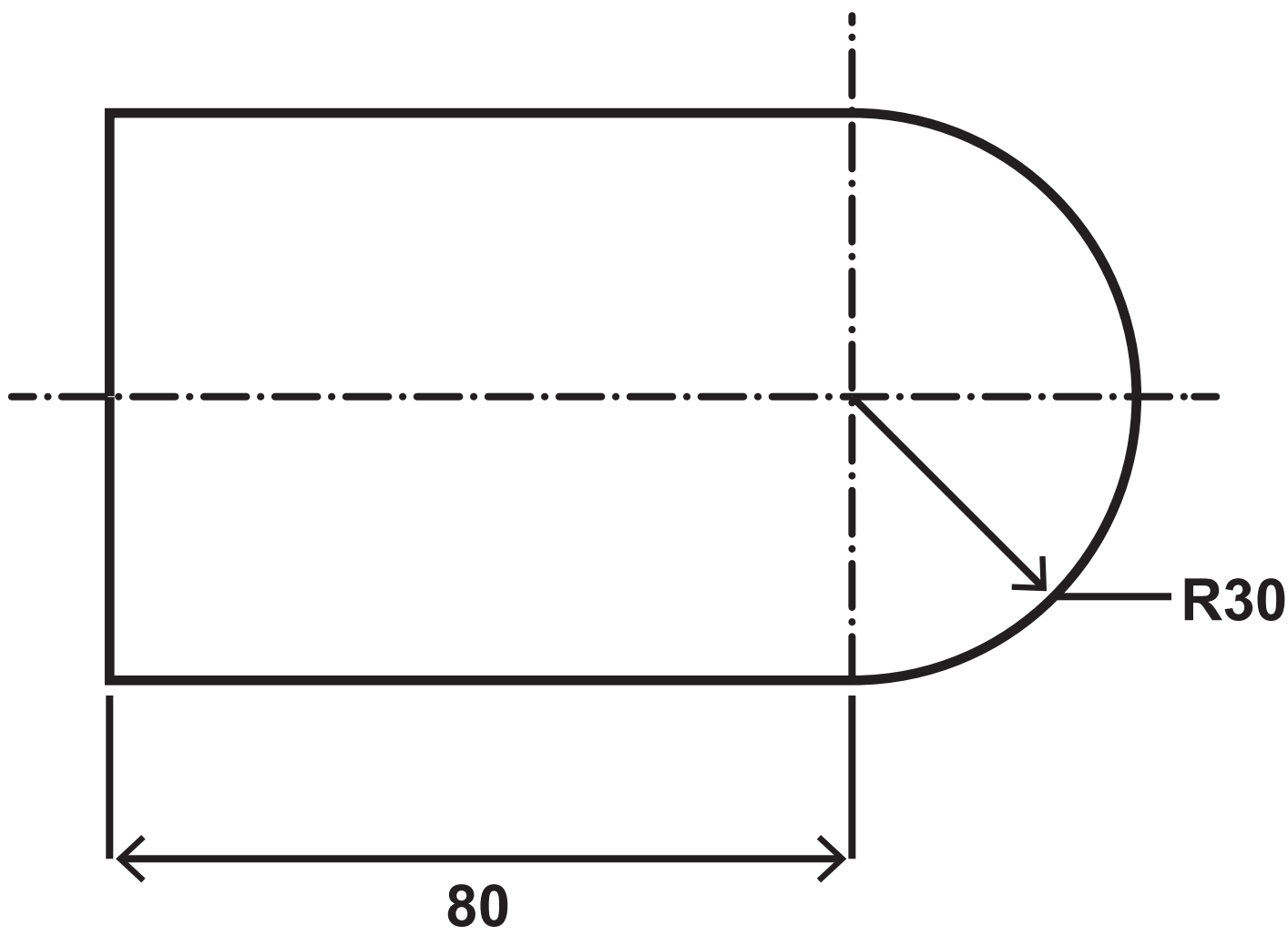
Question 7(a)

FIGURE 11



Question 7(b)

FIGURE 12

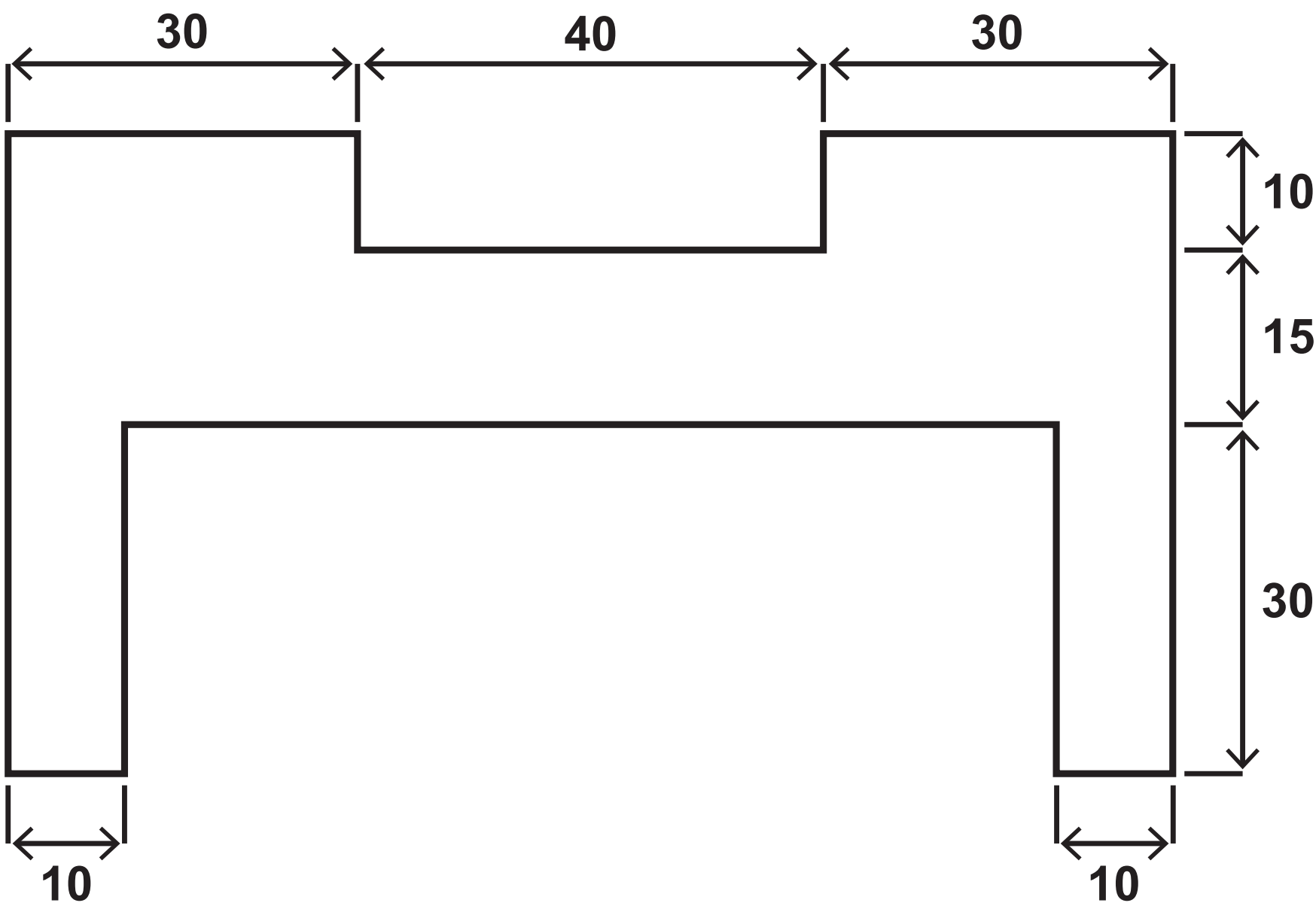


Question 7(c)

FIGURE 13

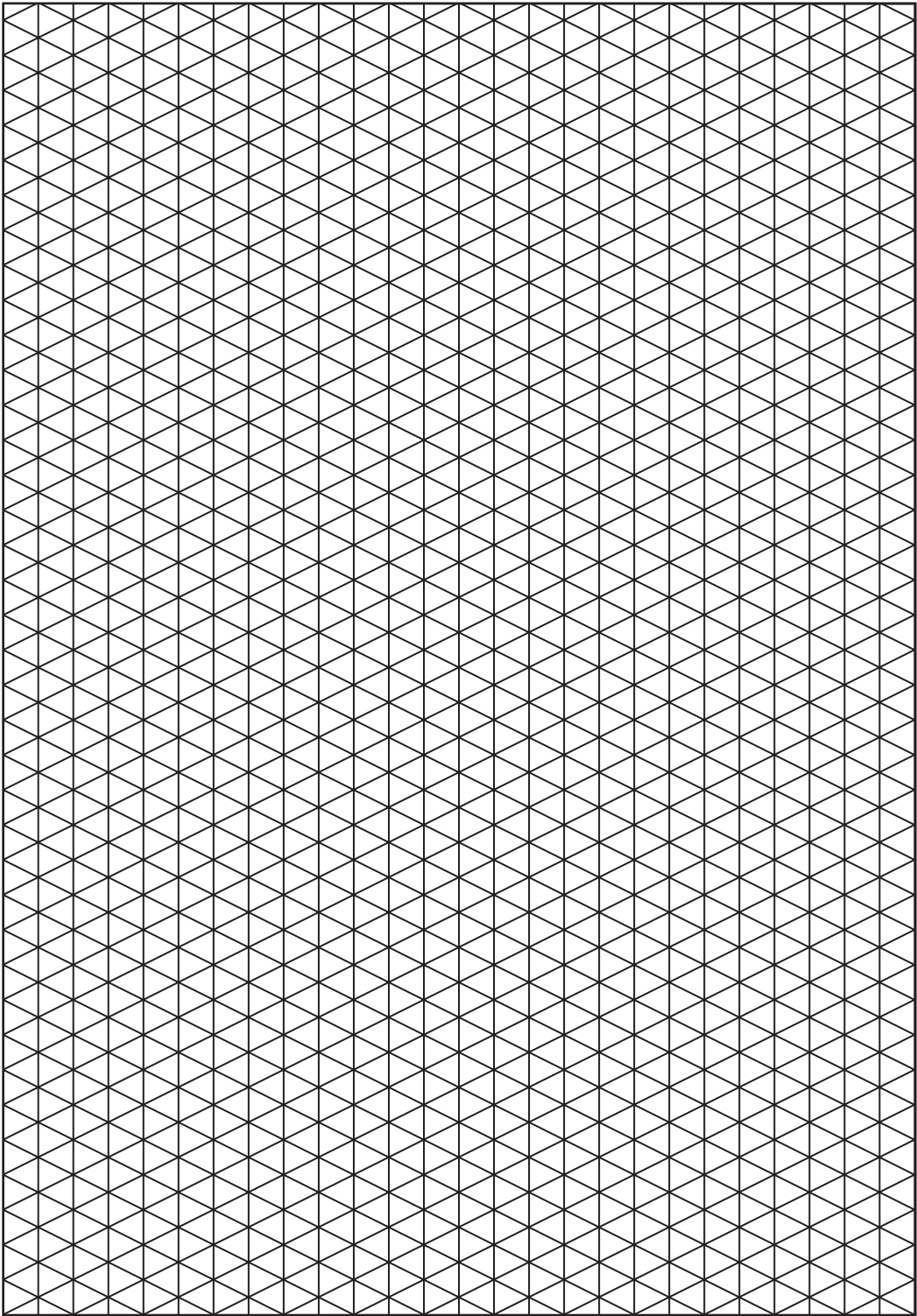
All dimensions in mm

Diagram not to scale



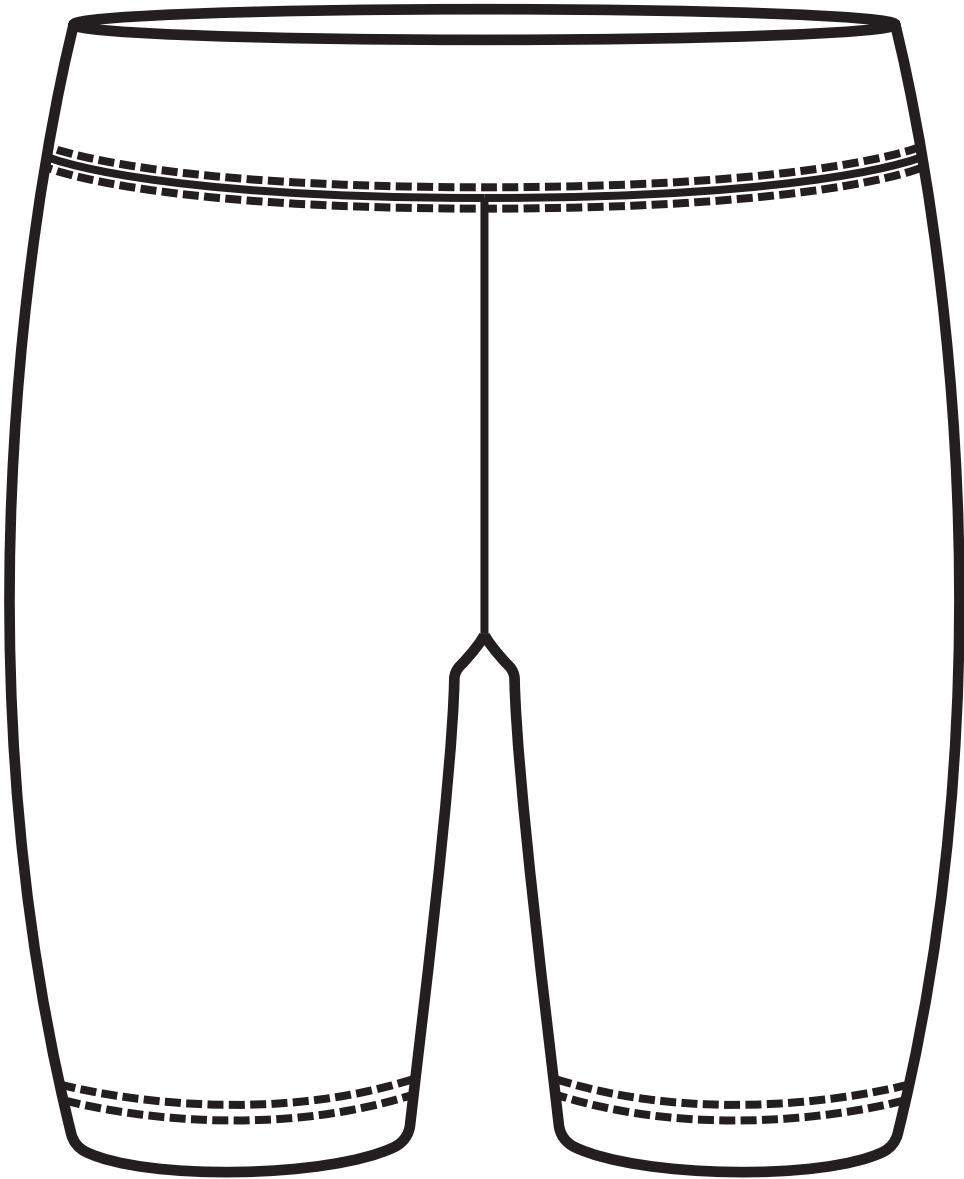
Question 7(c)

5 mm isometric grid



Question 8

FIGURE 14



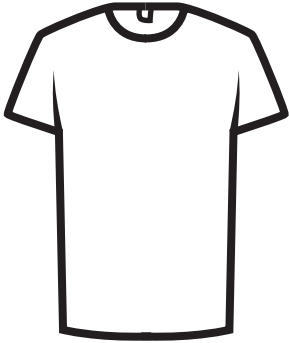
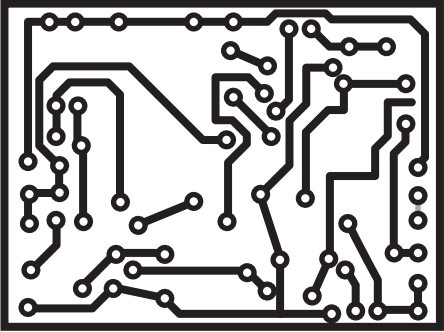
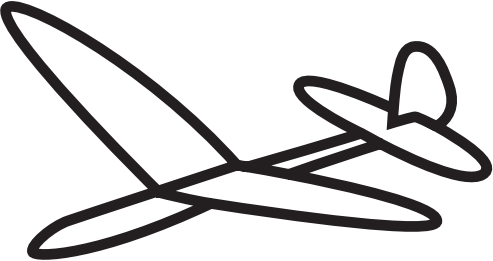
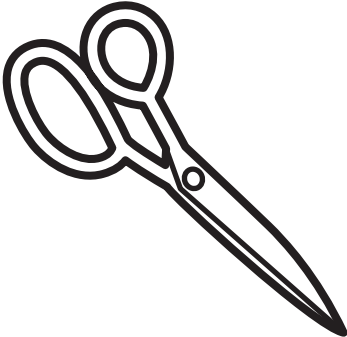
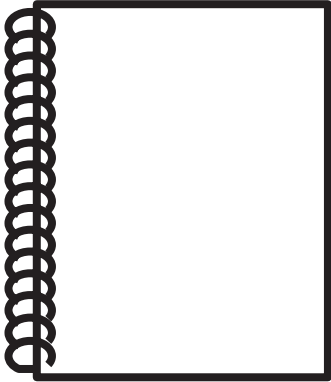
Question 8(d)

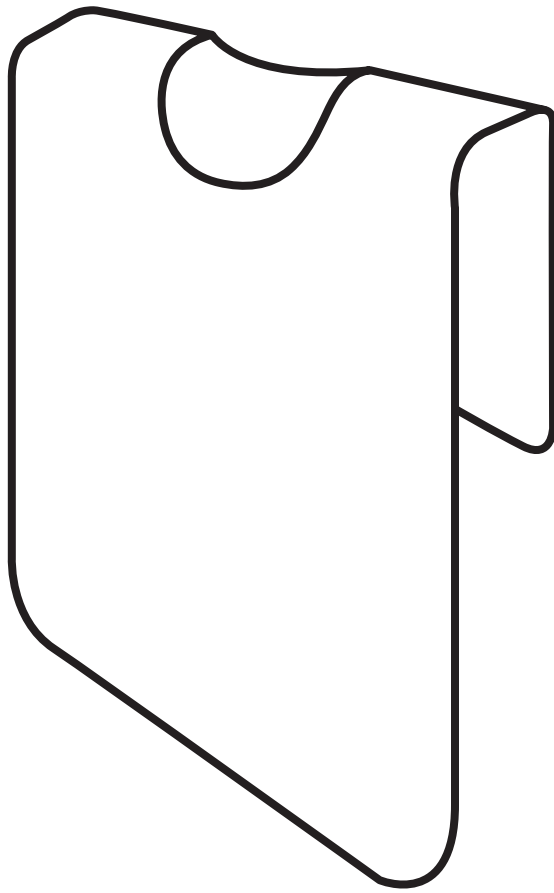
FIGURE 15

Source of nylon	Crude oil from UAE and Saudi Arabia
Country of manufacture	China
Potential market	Holiday makers, athletes, casual swimmers and schoolchildren
Scale of production	Batch

Question 1(a)

FIGURE 1

Picture of product	Material and product	Property
	Cotton T-shirt	Soft
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Question 5(a)

Question 7(c)

5 mm isometric grid

