

**Paper Reference(s)    1DT0/1F**  
**Pearson Edexcel Level 1/Level 2 GCSE**  
**(9–1)**

**Design and Technology**  
**COMPONENT 1: Timbers**

**Monday 19 June 2023 – Morning**

**Diagram Booklet**

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## **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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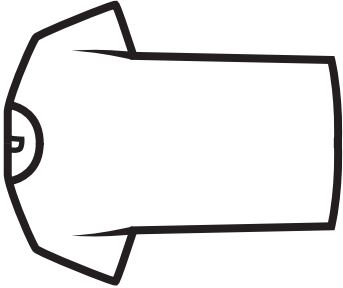
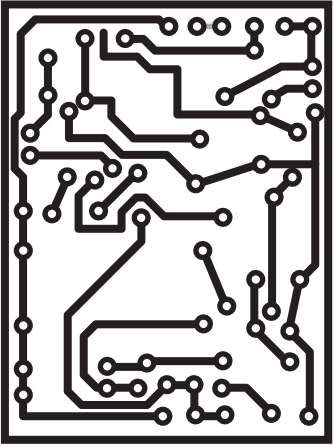
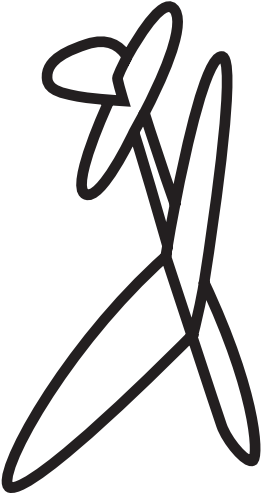
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Question 1(a)

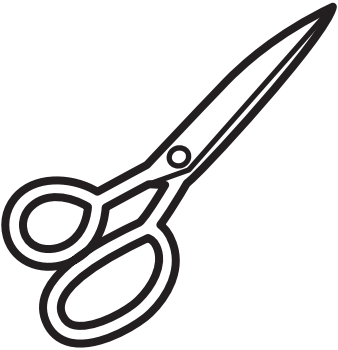

Figure 1

Picture of product	Material and product	Property
	Cotton T-shirt	Soft
	Polyester resin printed circuit board (PCB)	(i) _____
	Balsa wood toy plane	(ii) _____

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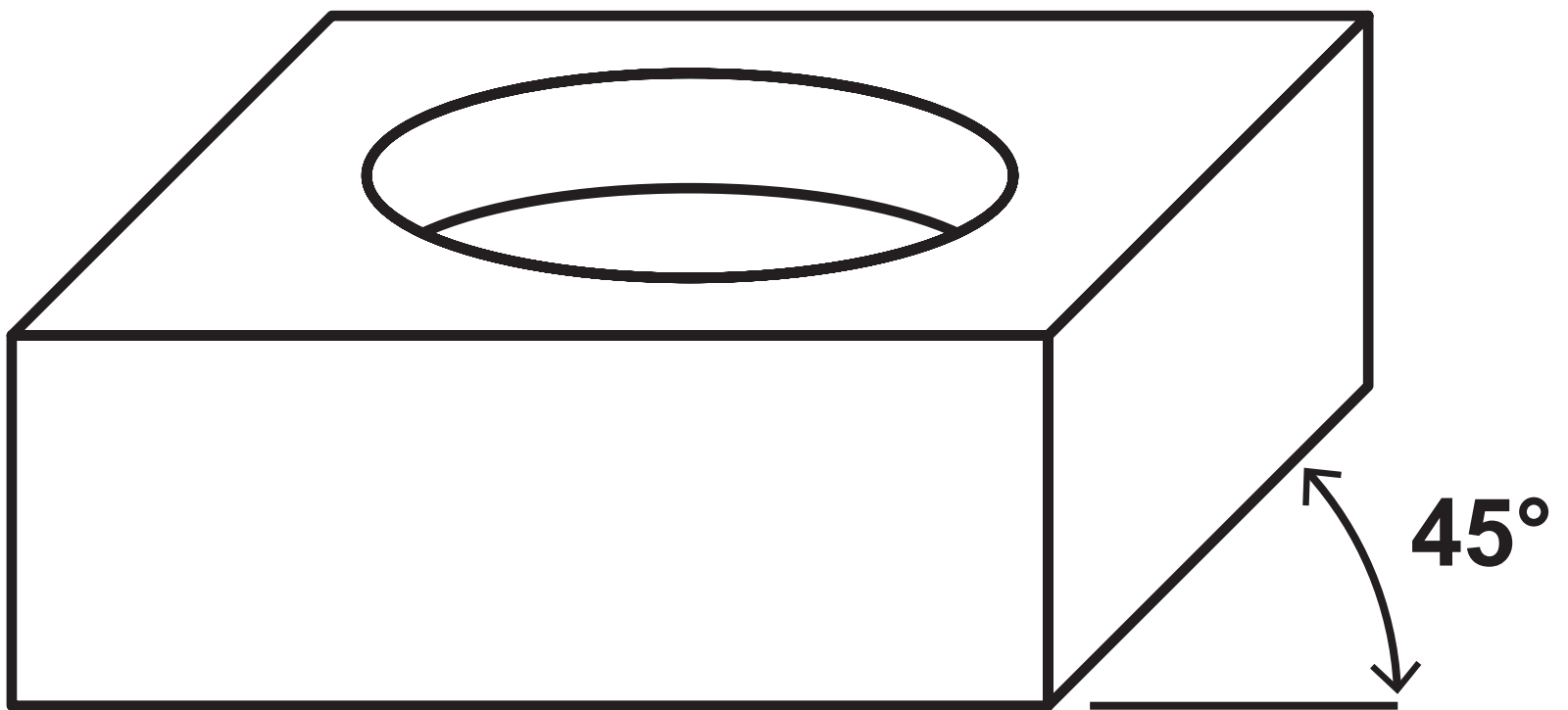
Turn over

Question 1(a) continued

Picture of product	Material and product	Property
	Stainless steel kitchen scissors	(iii) _____
	Solid white board hardback book cover	(iv) _____

## Question 2

**FIGURE 2**

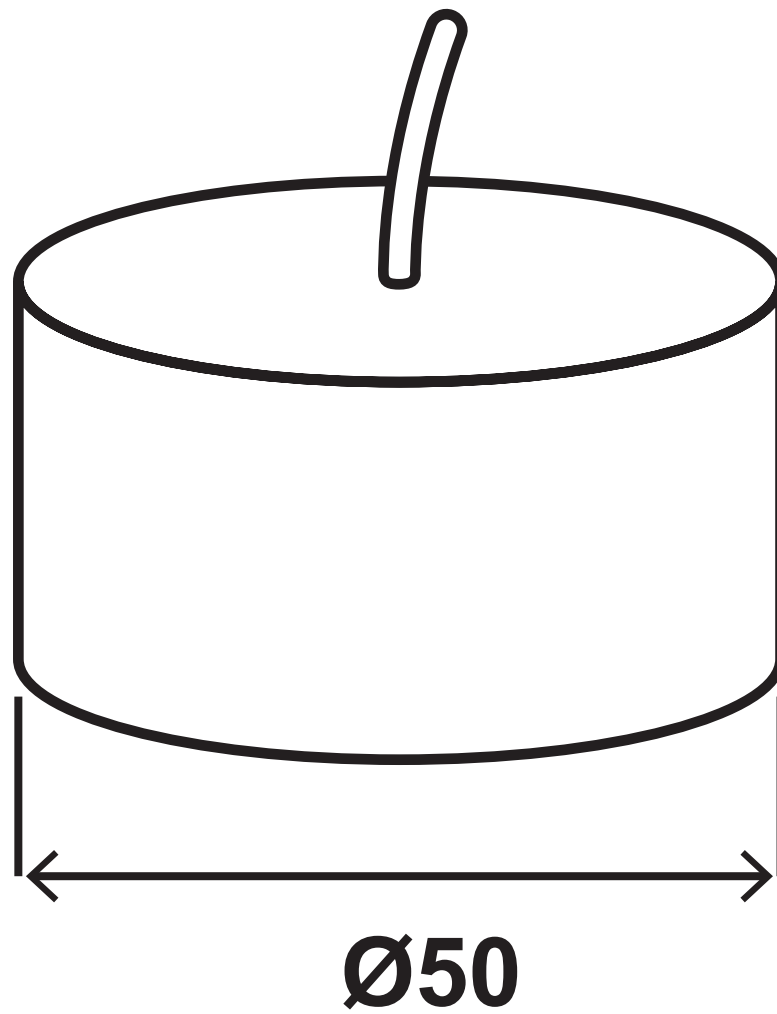


## Question 2(c)

### FIGURE 3

All dimensions in mm

Ø – diameter





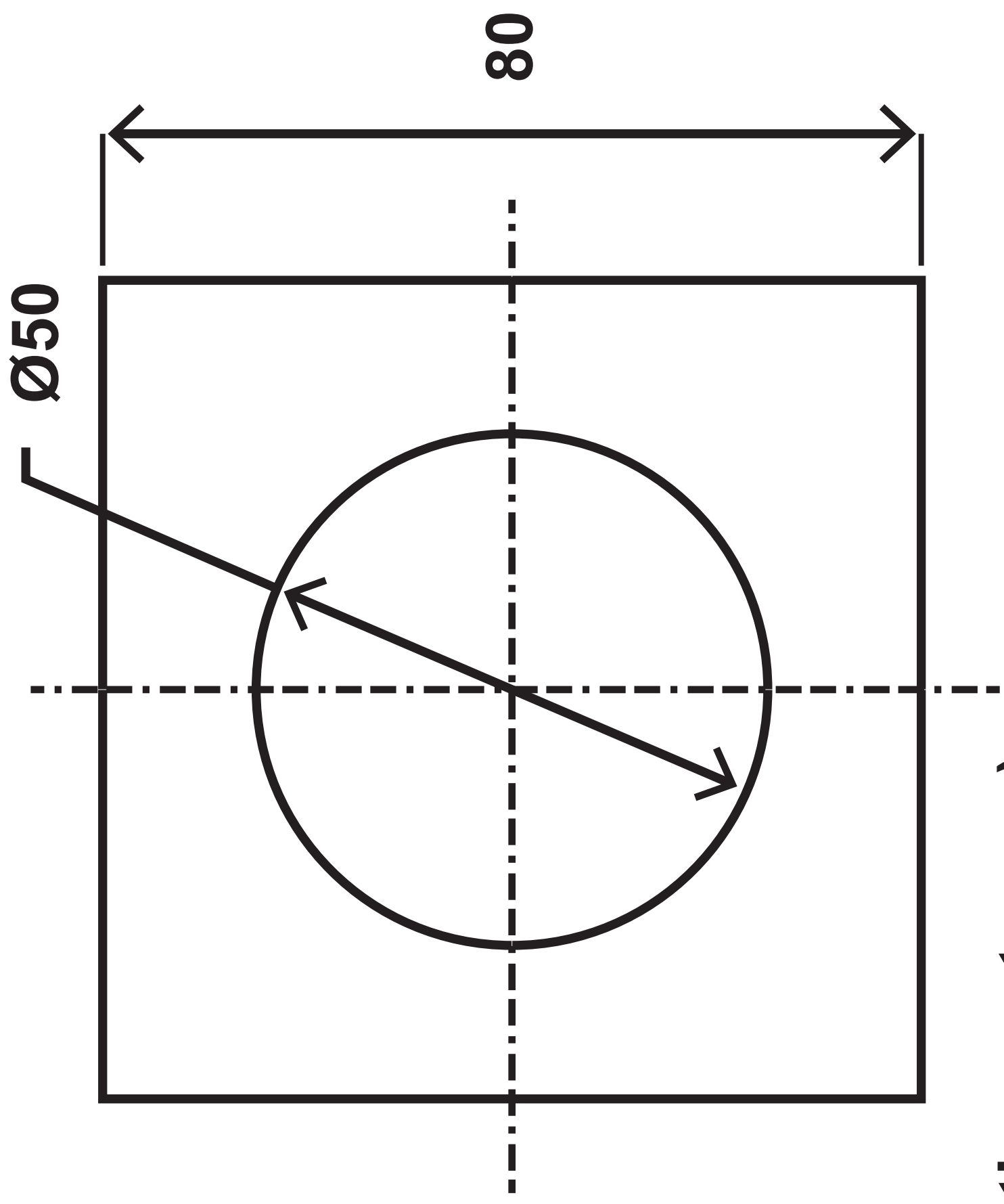
Question 2(d)

FIGURE 4

All

dimensions  
in mm

Volume of cylinder =  $\pi \times r^2 \times h$     Use  $\pi = 3.142$



(continued on the next page)

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Question 2(d) continued.

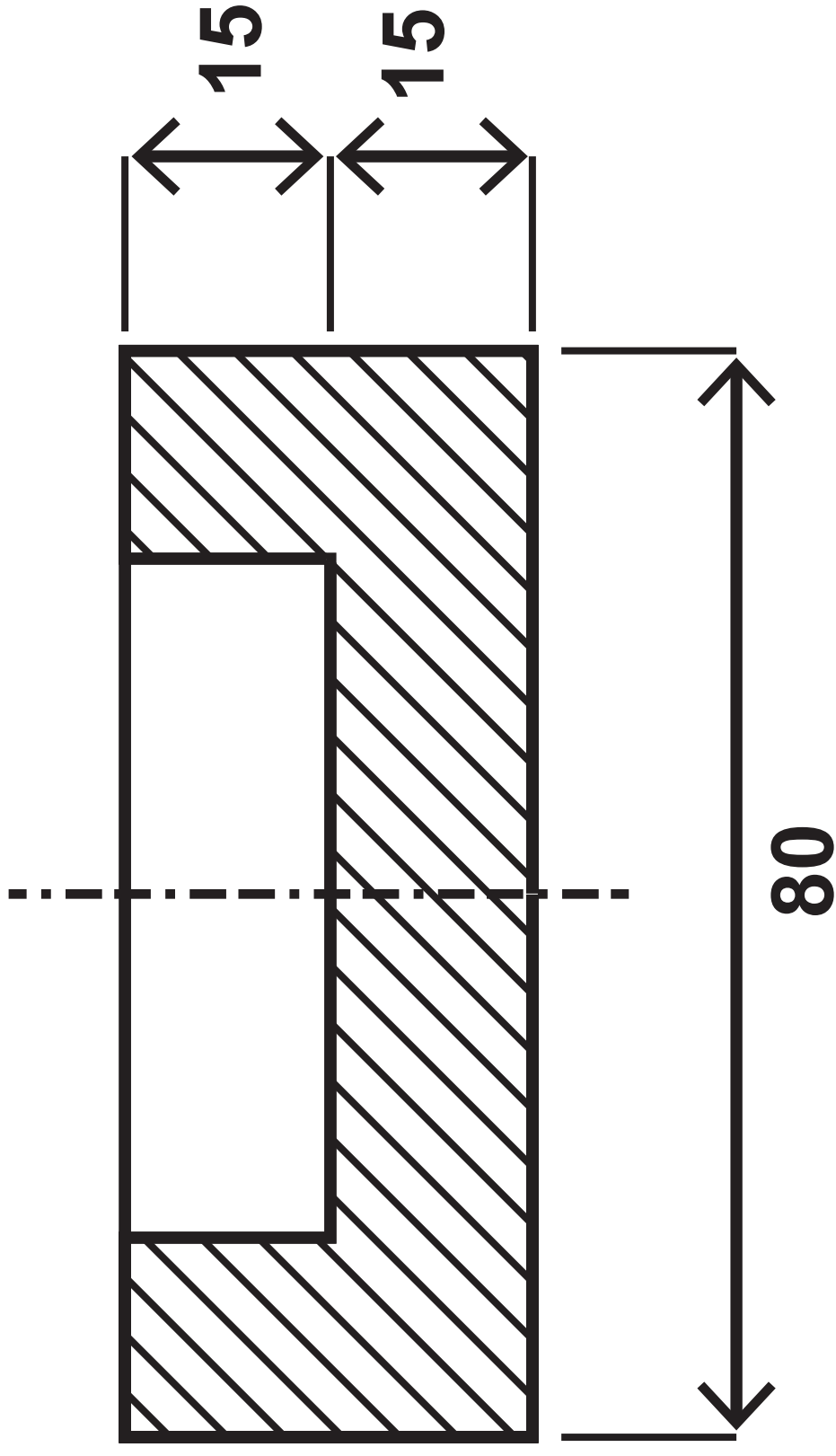
FIGURE 4

All dimensions      Volume of cylinder

Use  $\pi =$

in mm       $= \pi \times r^2 \times h$

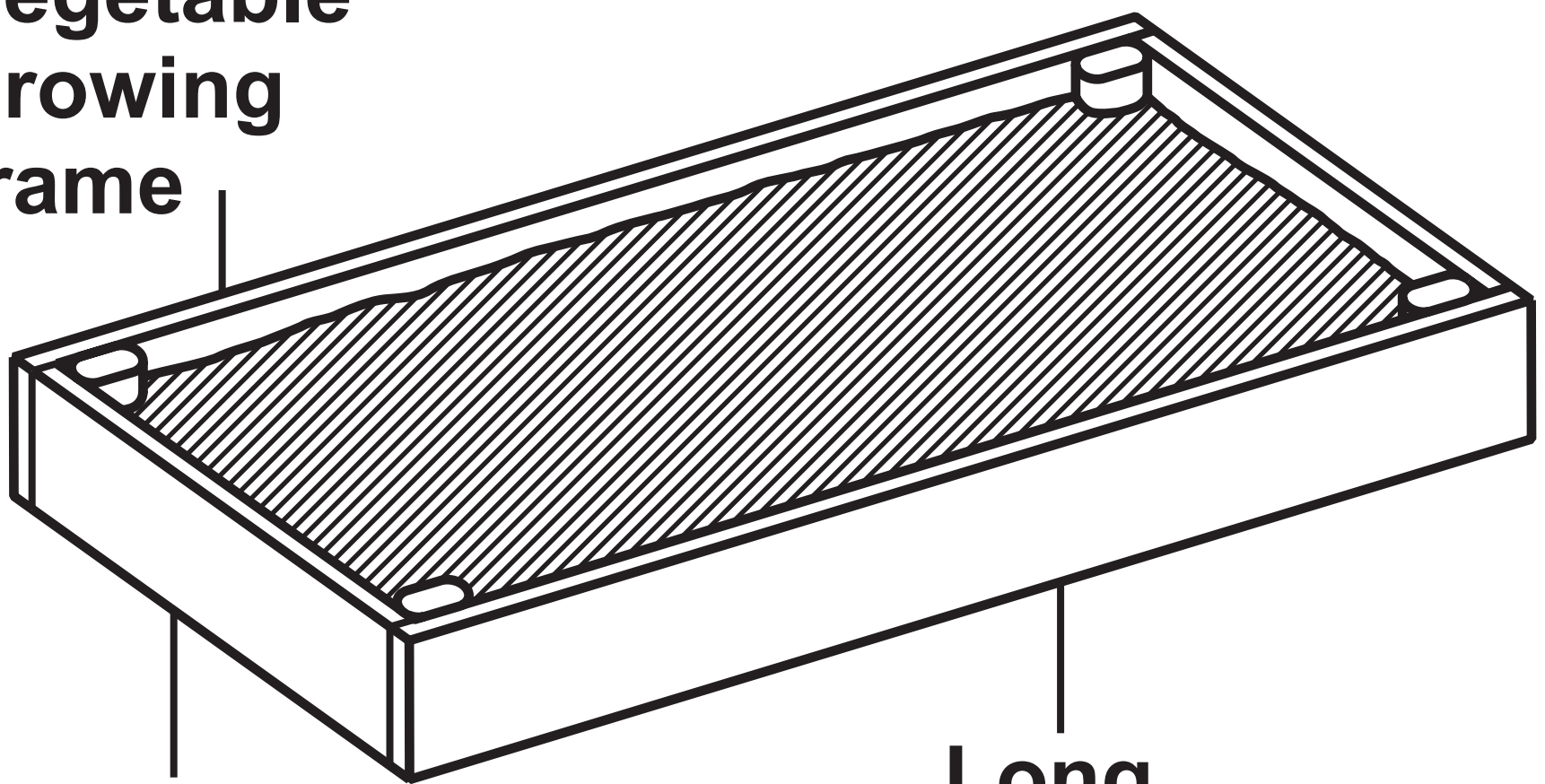
3.142



## Question 3

**FIGURE 5**

**Vegetable  
growing  
frame**

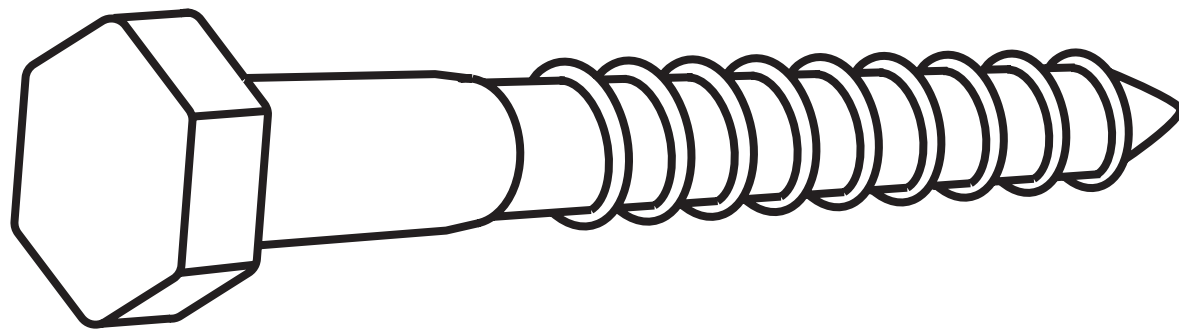


**Short  
side**

**Long  
side**

## Question 3(d)

**FIGURE 6**



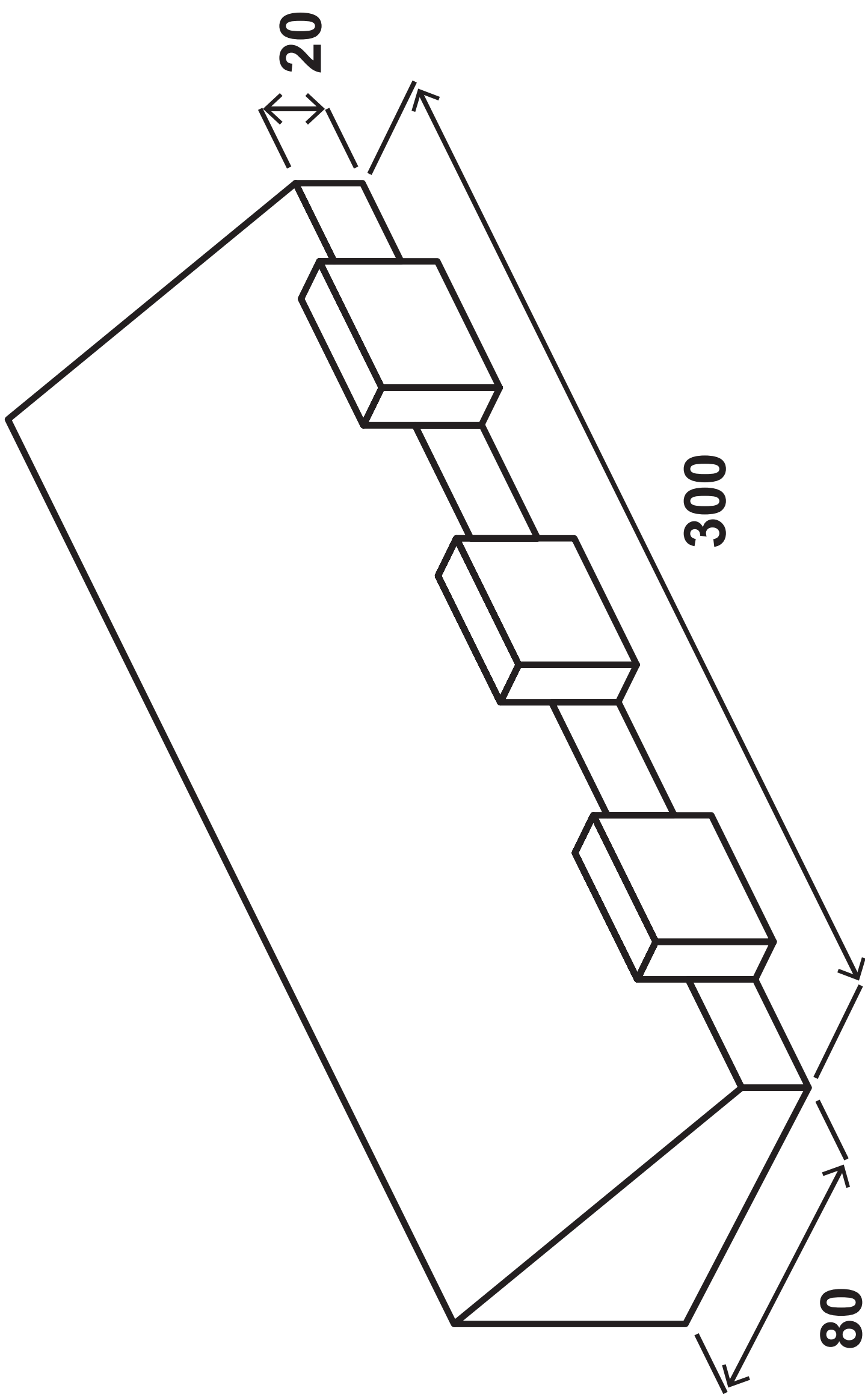
## Question 4

**FIGURE 7**



FIGURE 8

All dimensions in mm



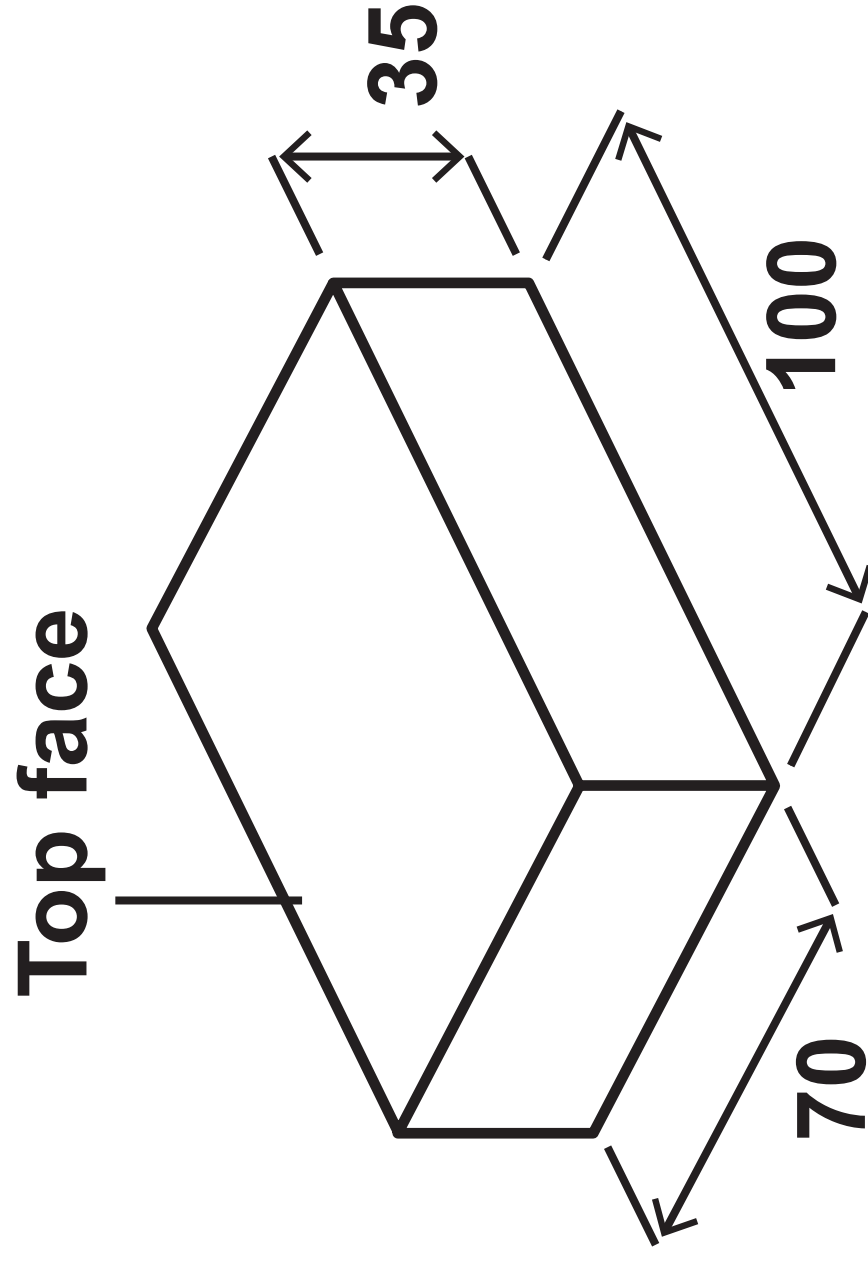
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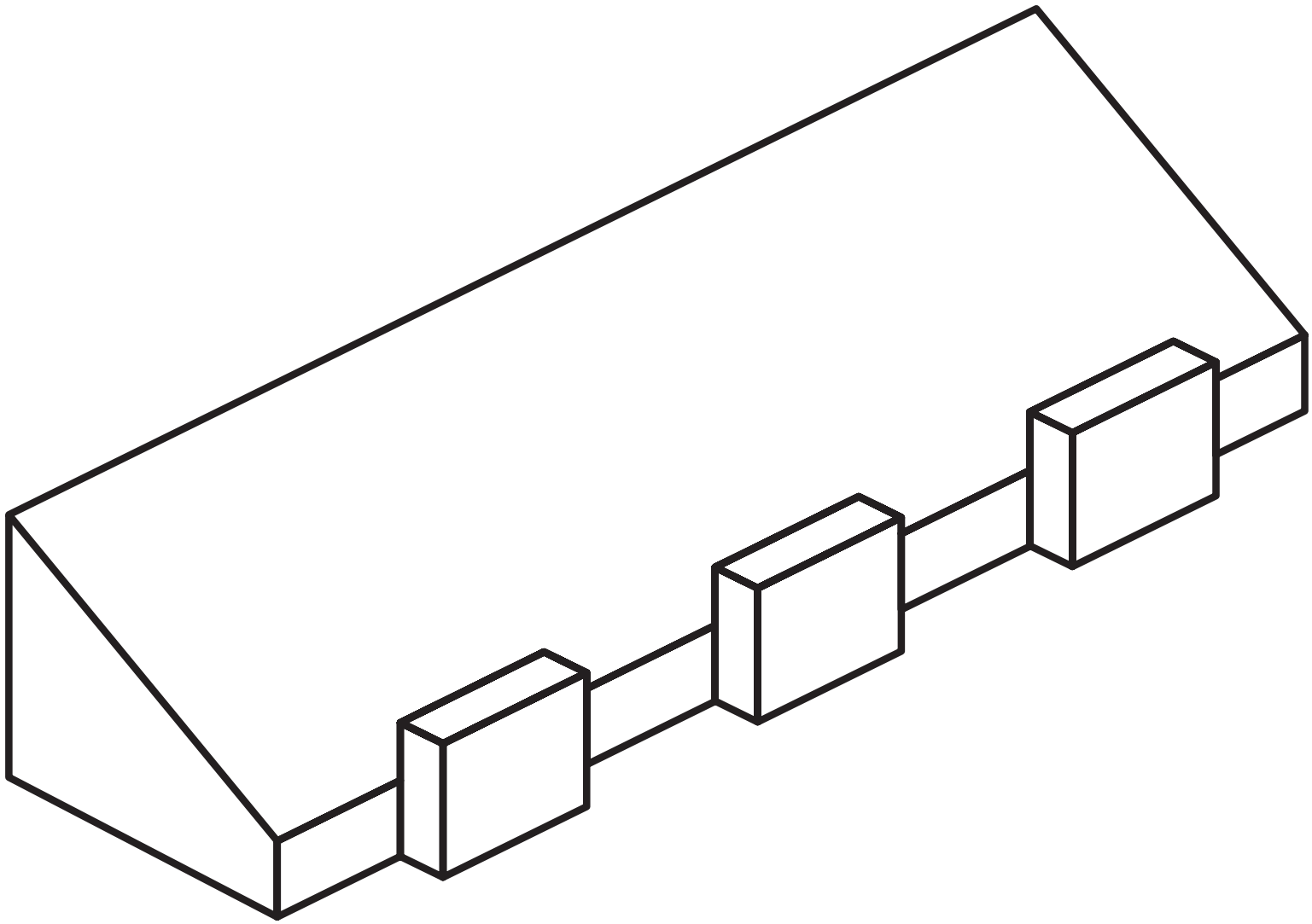
**Question 5(a) continued.**

**FIGURE 8**

**Additional information – dimensions of box of chocolates**  
**All dimensions in mm**



## Question 5(a) – Outline





Question 5(b)

**FIGURE 9**  
**Clear acrylic screen**

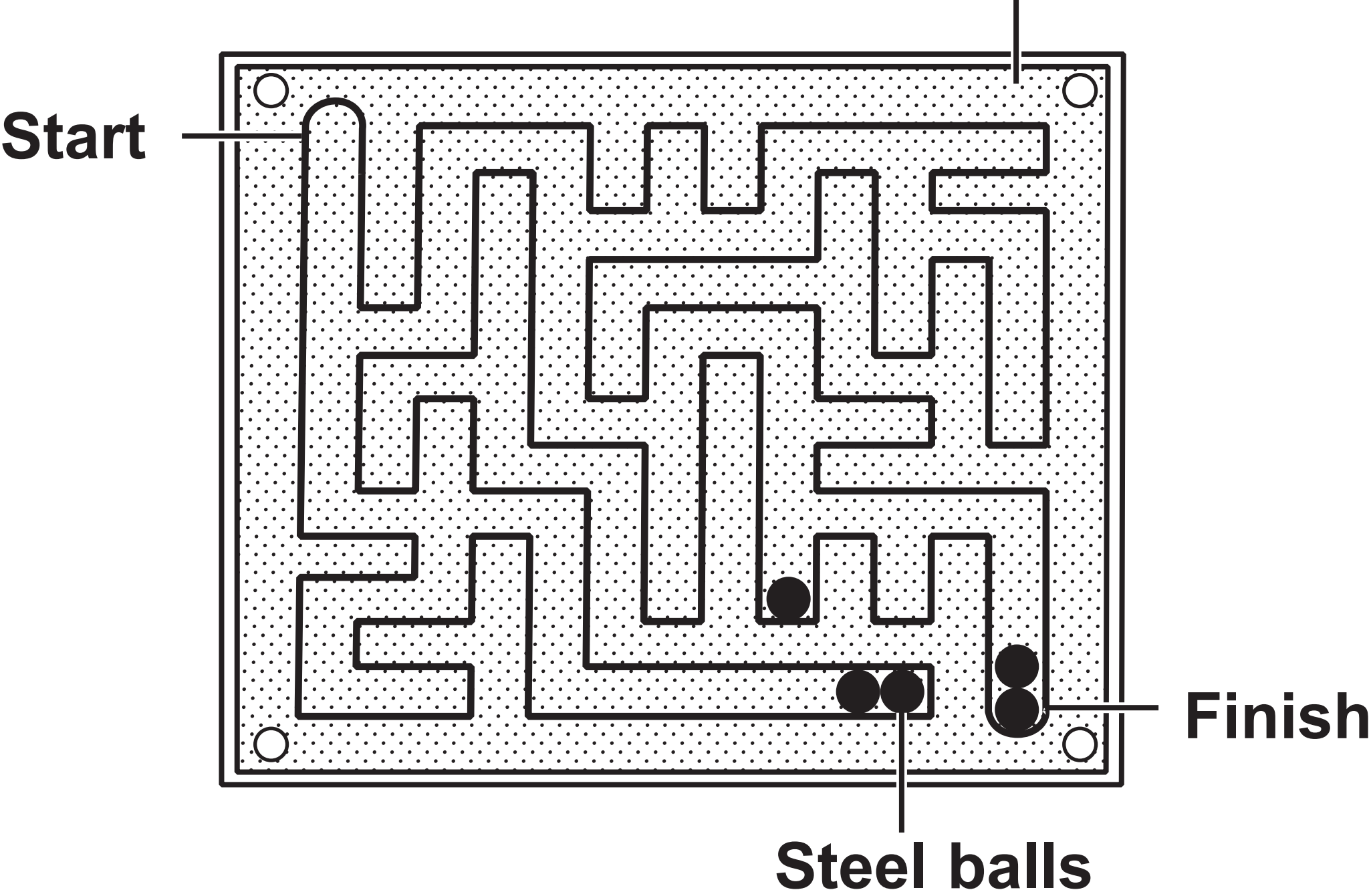
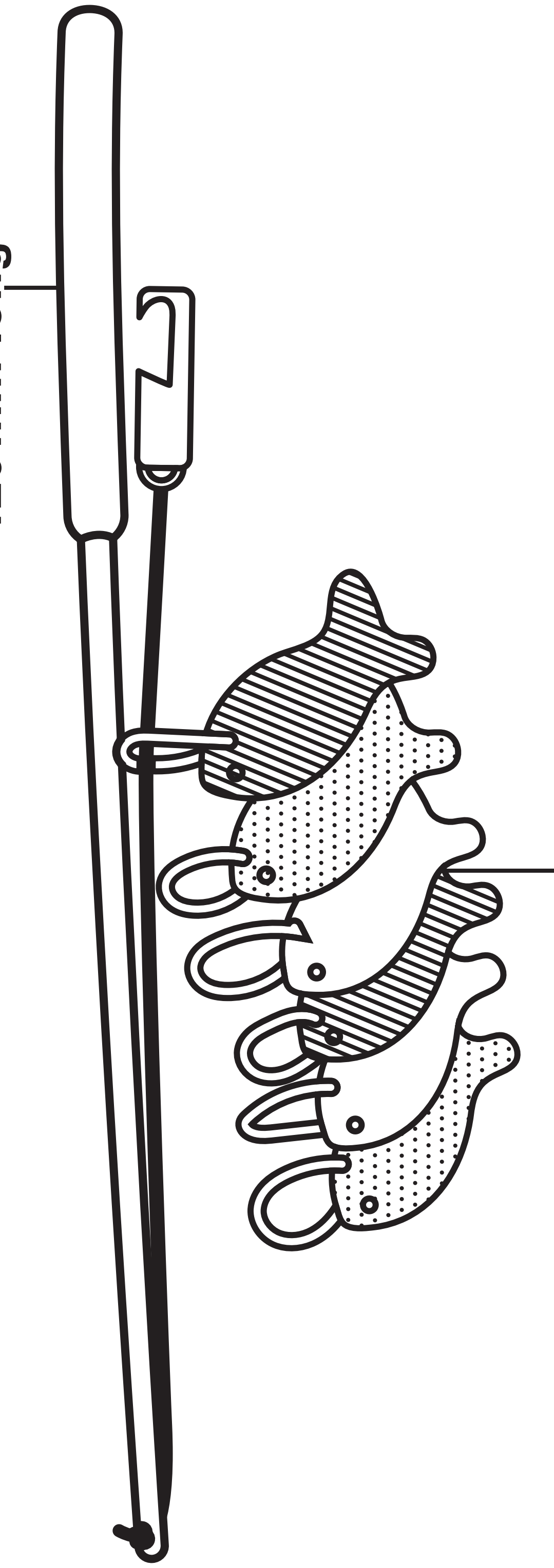
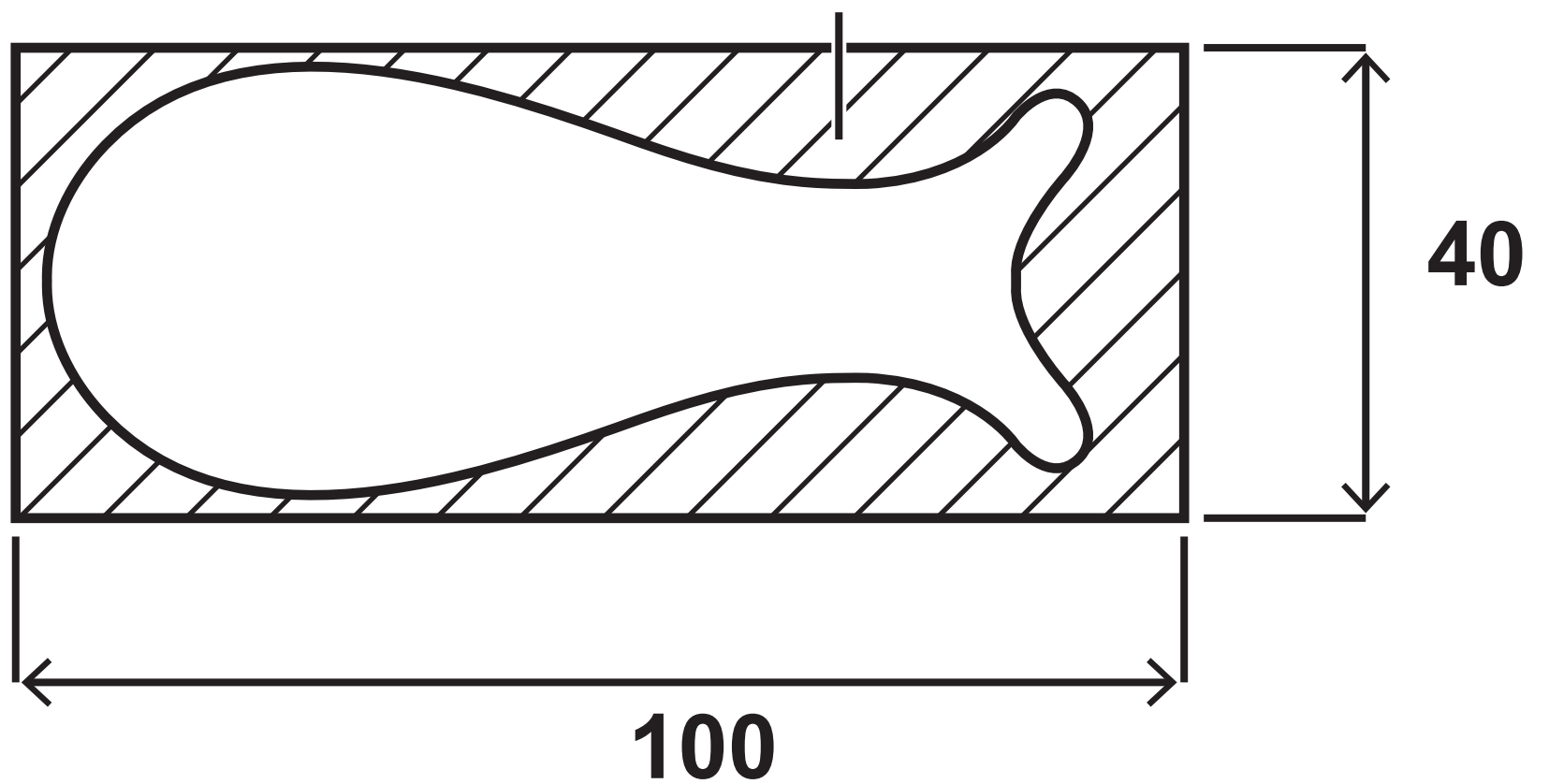


FIGURE 10

Cylindrical jelutong  
fishing rod handle  
120 mm long

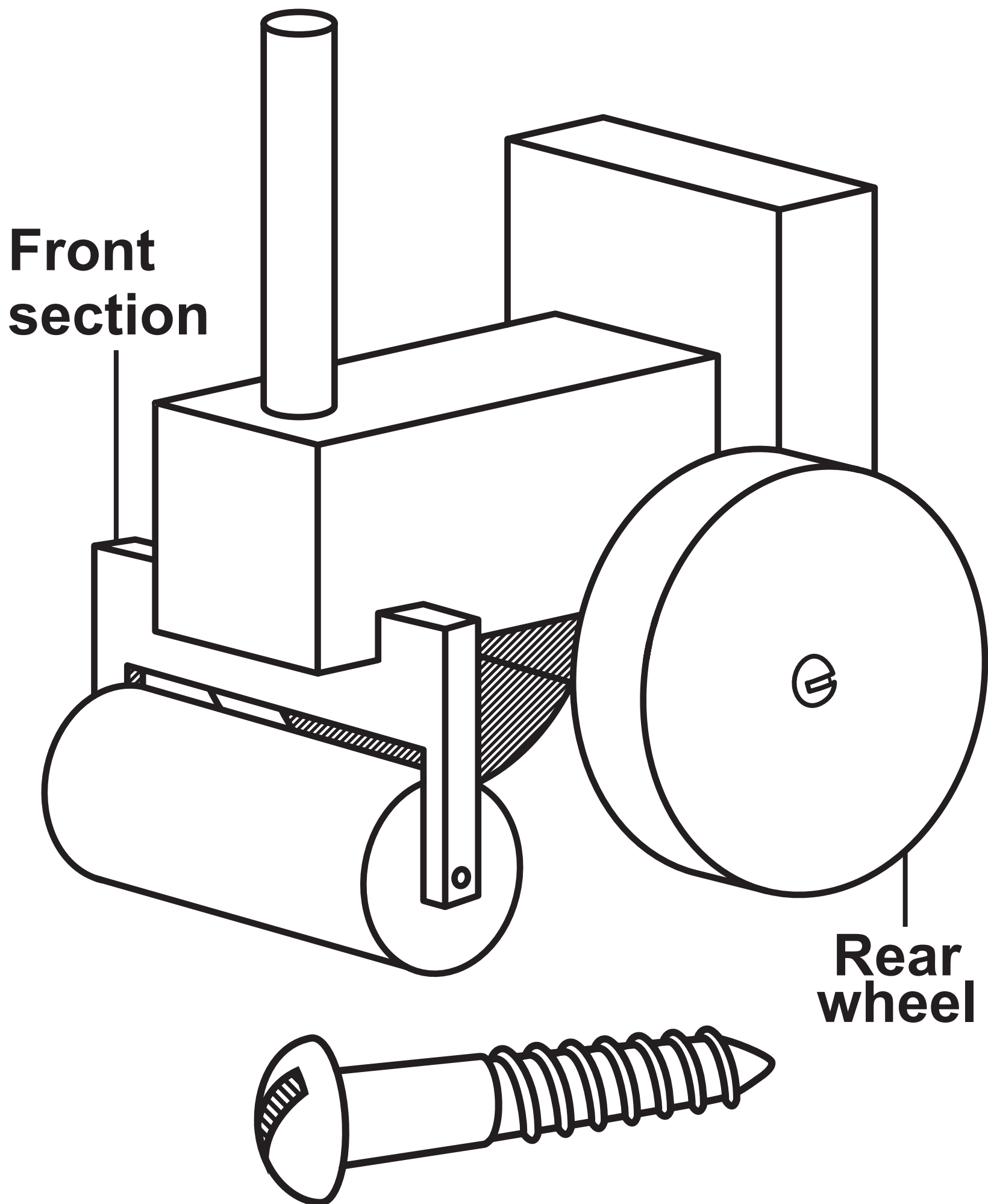


Plywood fish painted yellow,  
green, red or blue

**Question 6(b)****FIGURE 11****All dimensions in mm****Waste**

## Question 7(a)

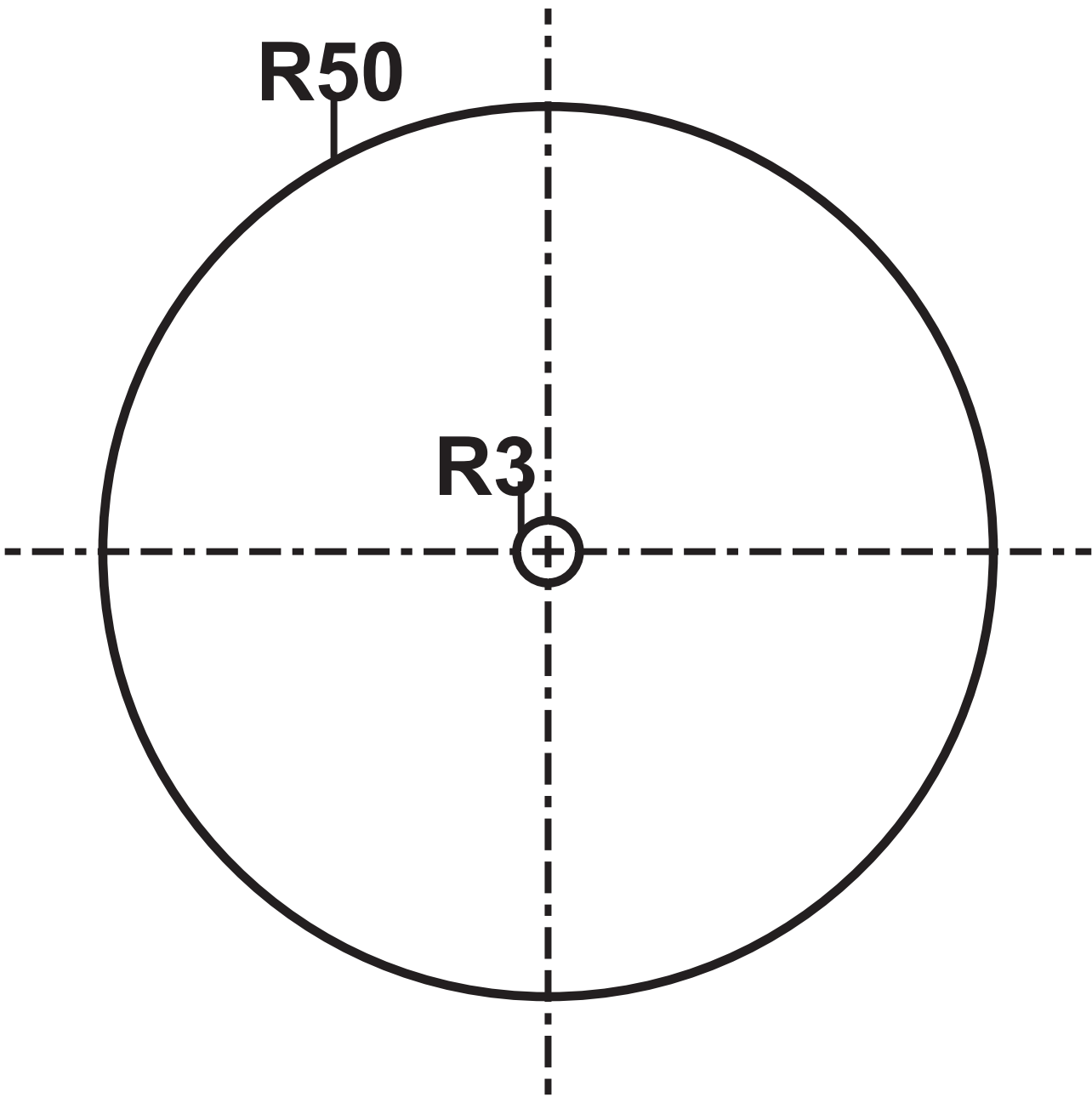
FIGURE 12



Question 7(b)

FIGURE 13

All dimensions in mm

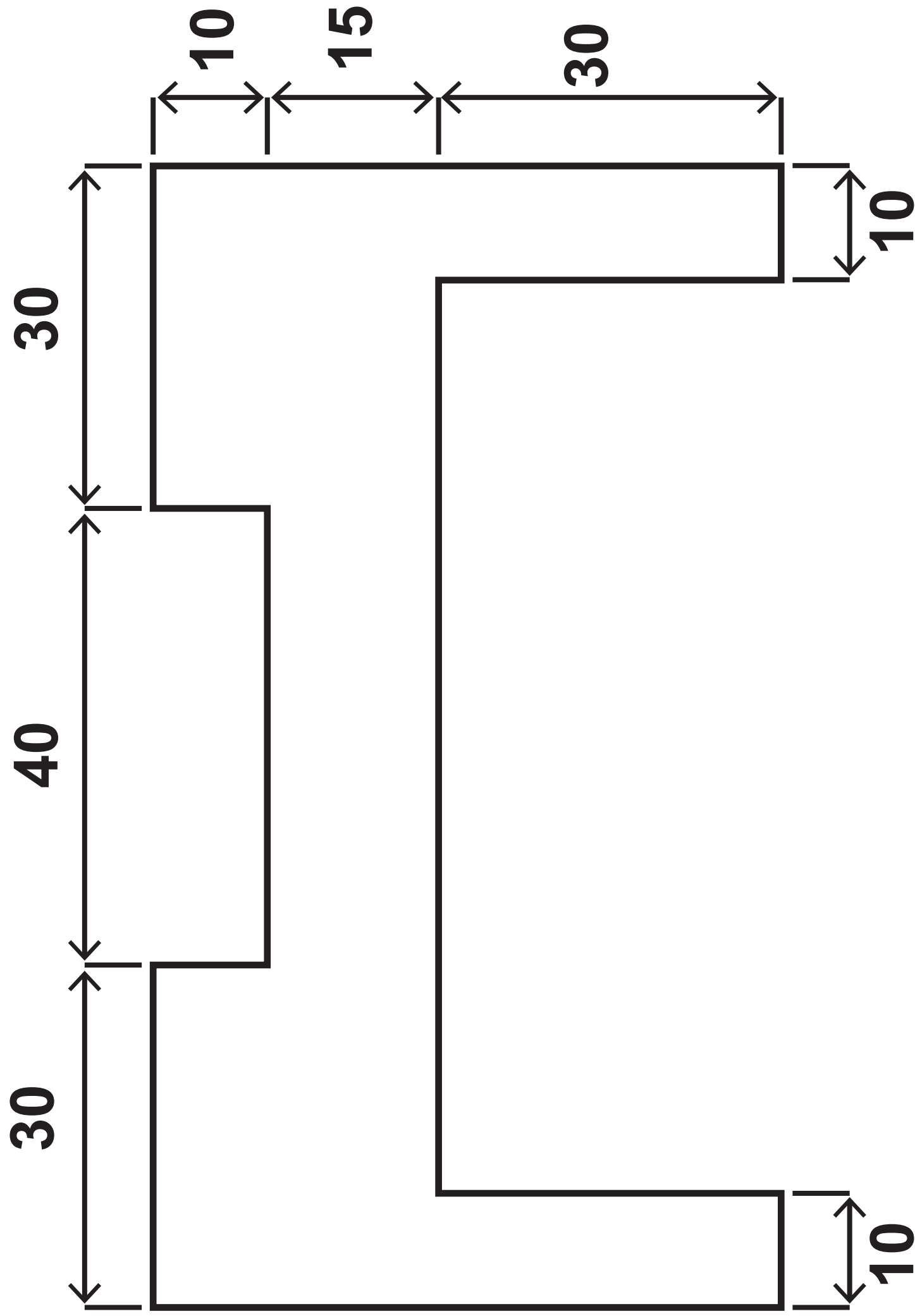


**Question 7(c)**

**FIGURE 14**

**All dimensions in mm**

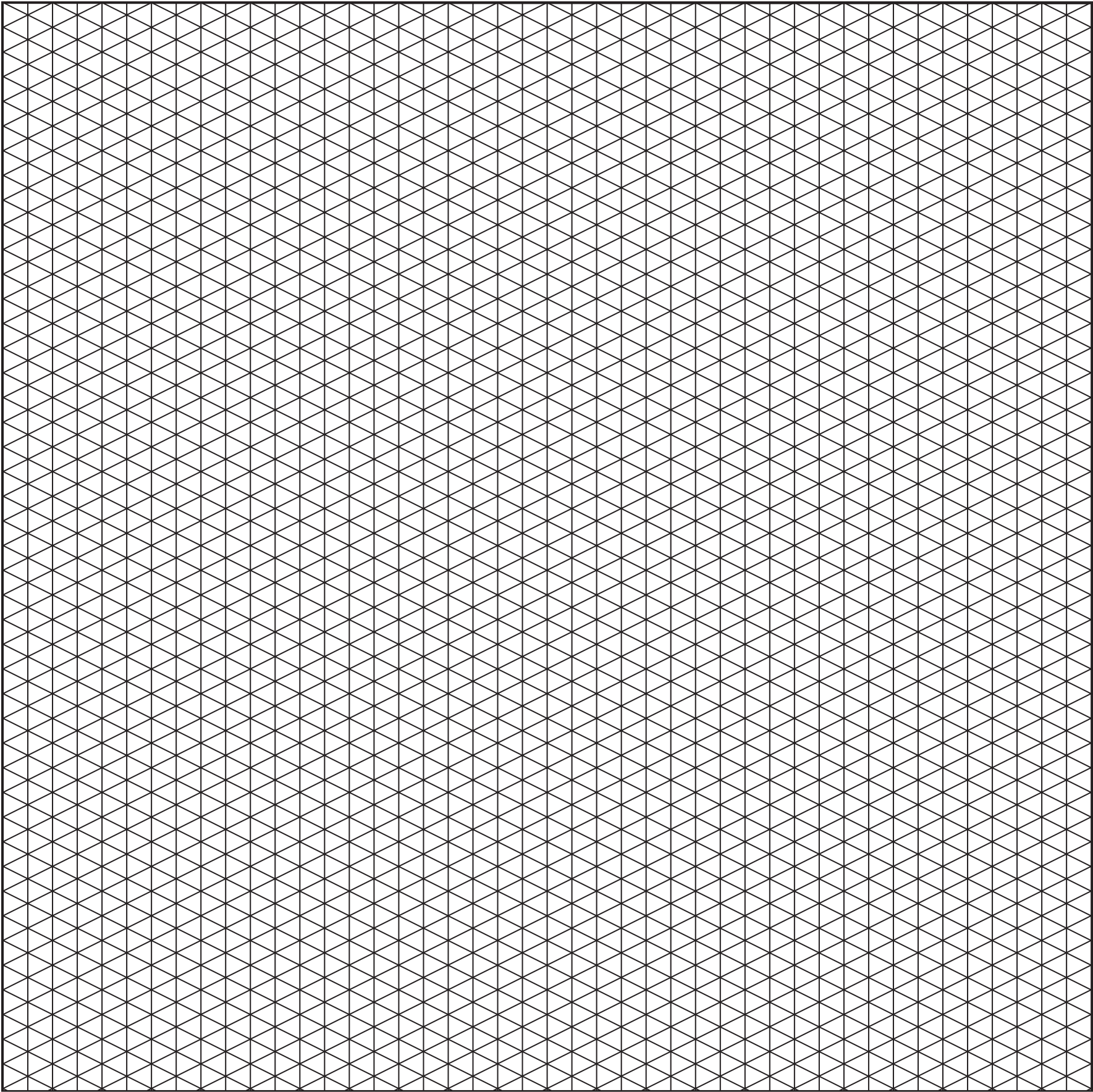
**Diagram not to scale**



**Isometric grid provided on the next page**

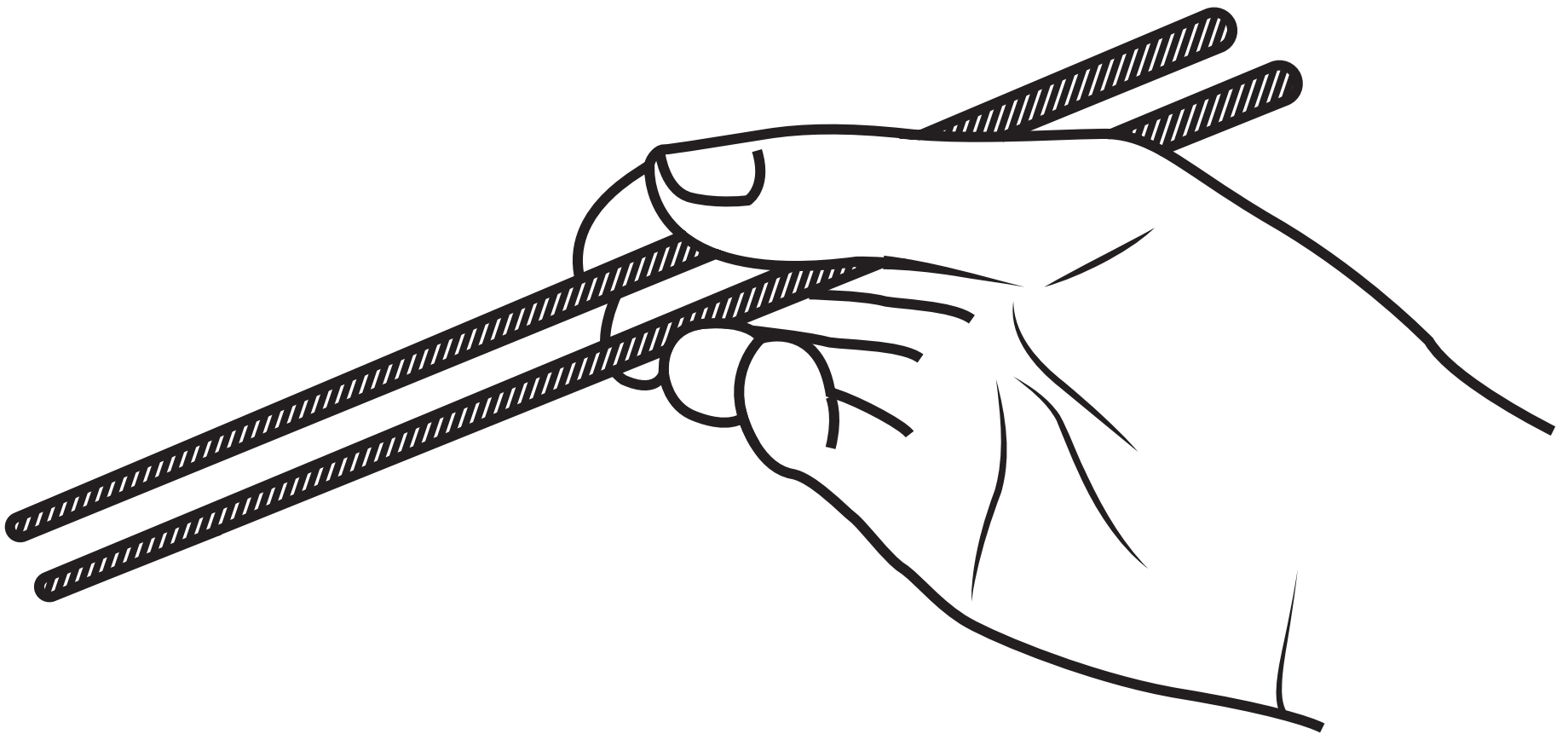
**Question 7(c) continued.**

**5mm isometric grid**



## Question 8

**FIGURE 15**





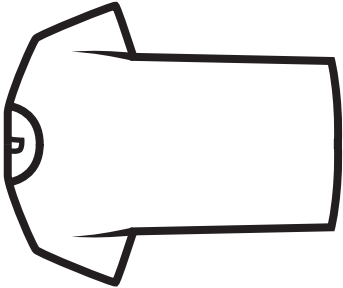
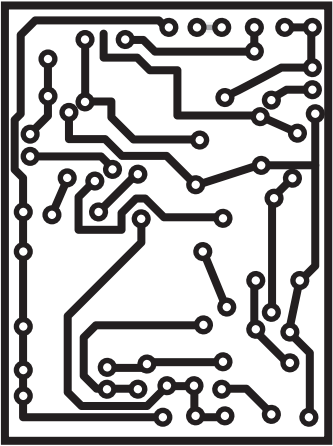
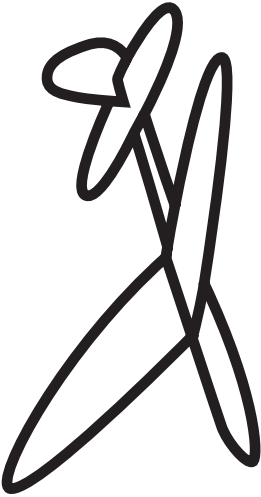
Question 8(d)

FIGURE 16

<b>Source of birch</b>	<b>European forests</b>
<b>Country of manufacture</b>	<b>China</b>
<b>Potential market</b>	<b>Restaurants, takeaway restaurants and homes</b>
<b>Scale of production</b>	<b>Continuous</b>

Question 1(a)

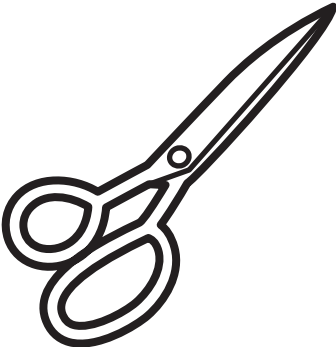

Figure 1

Picture of product	Material and product	Property
	Cotton T-shirt	Soft
	Polyester resin printed circuit board (PCB)	(i) _____
	Balsa wood toy plane	(ii) _____

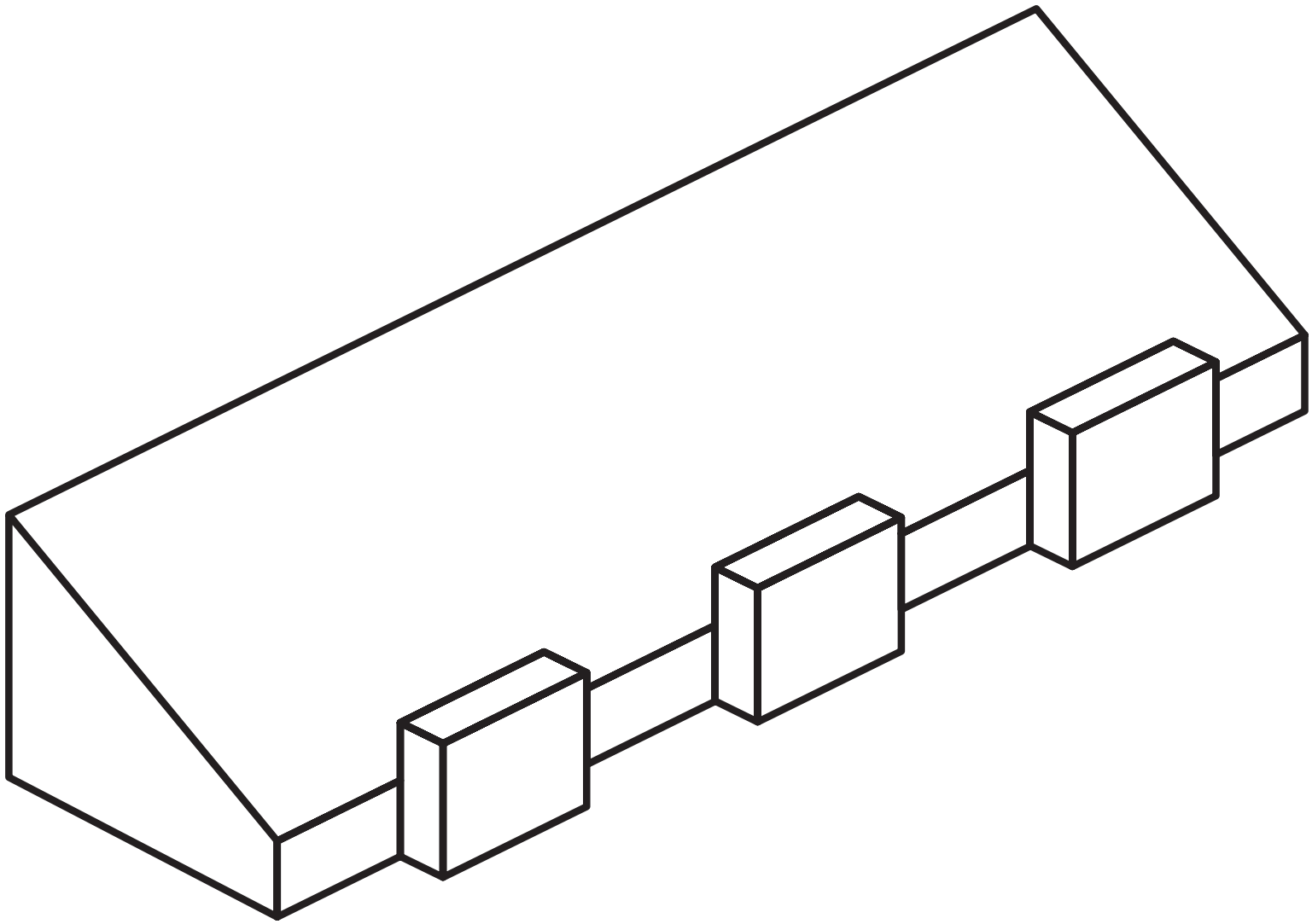
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Question 1(a) continued

Picture of product	Material and product	Property
	Stainless steel kitchen scissors	(iii) _____
	Solid white board hardback book cover	(iv) _____

## Question 5(a) – Outline



**Question 7(c) continued.**  
**5mm isometric grid**

