

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

Design and Technology
COMPONENT 1: Polymers

Tuesday 18 June 2024 – Morning

Time: 1 hour 45 minutes

Diagram Booklet

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

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.

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Spare Copies

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Question 1(a)

FIGURE 1

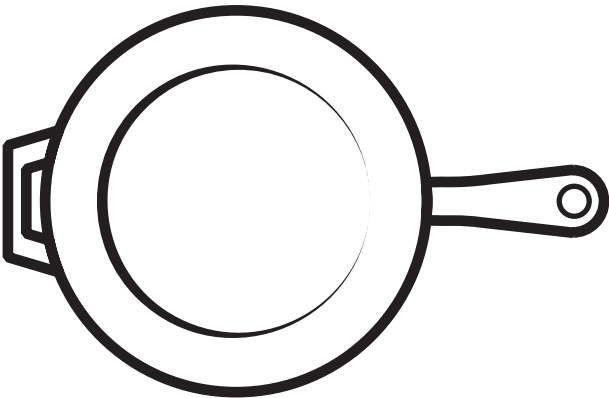
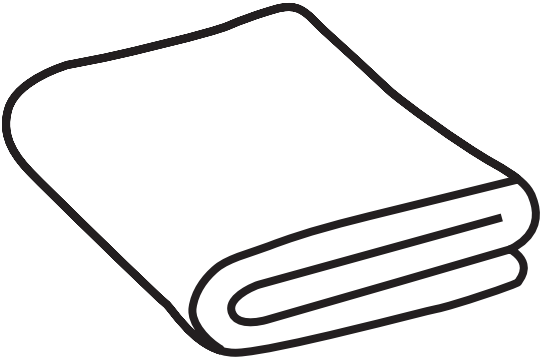
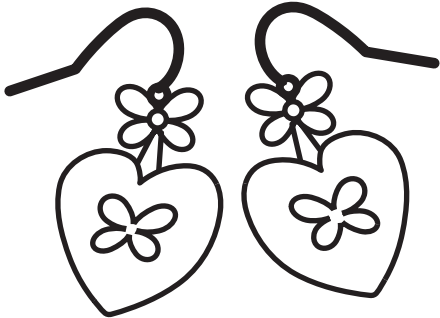

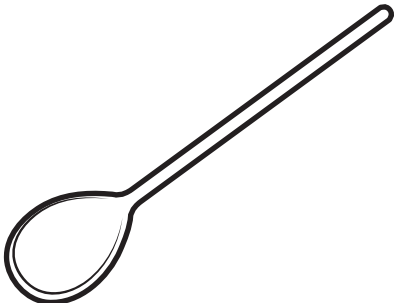
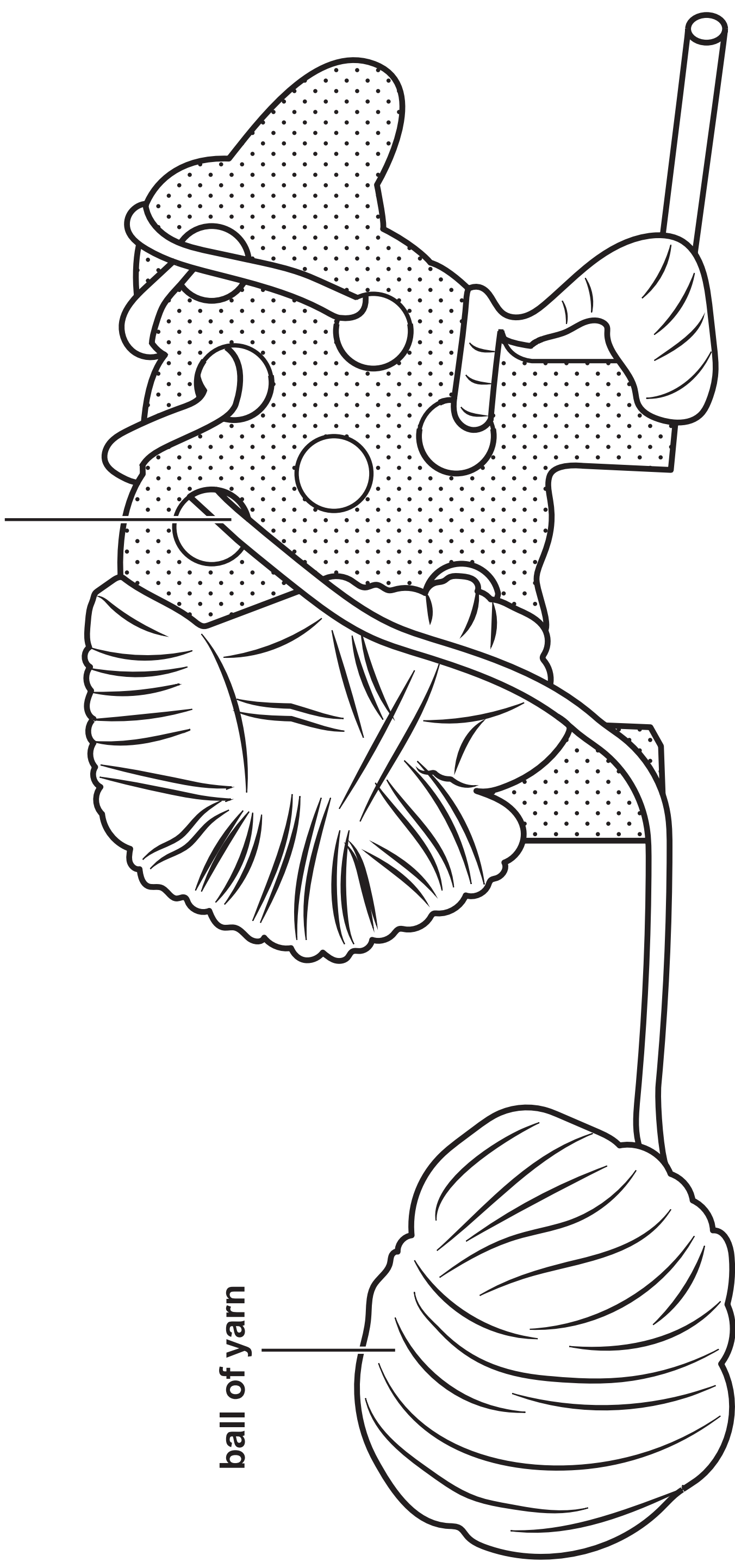
PICTURE OF PRODUCT	MATERIAL AND PRODUCT	PROPERTY
	Cast iron frying pan	Hard
	Cotton bath towel	(i) _____ (1 mark)
	Polyester resin earrings	(ii) _____ (1 mark)
	Copier paper	(iii) _____ (1 mark)
	Beech cooking spoon	(iv) _____ (1 mark)

FIGURE 2

yarn threaded through the toy sheep



Question 2(d)(i)

FIGURE 3

ANIMAL	NUMBER OF VOTES	PERCENTAGE OF VOTES (%)
Cat	165	55
Dog	75	25
Rabbit	<div></div>	15
Mouse	<div></div>	5
TOTAL	300	100

FIGURE 4

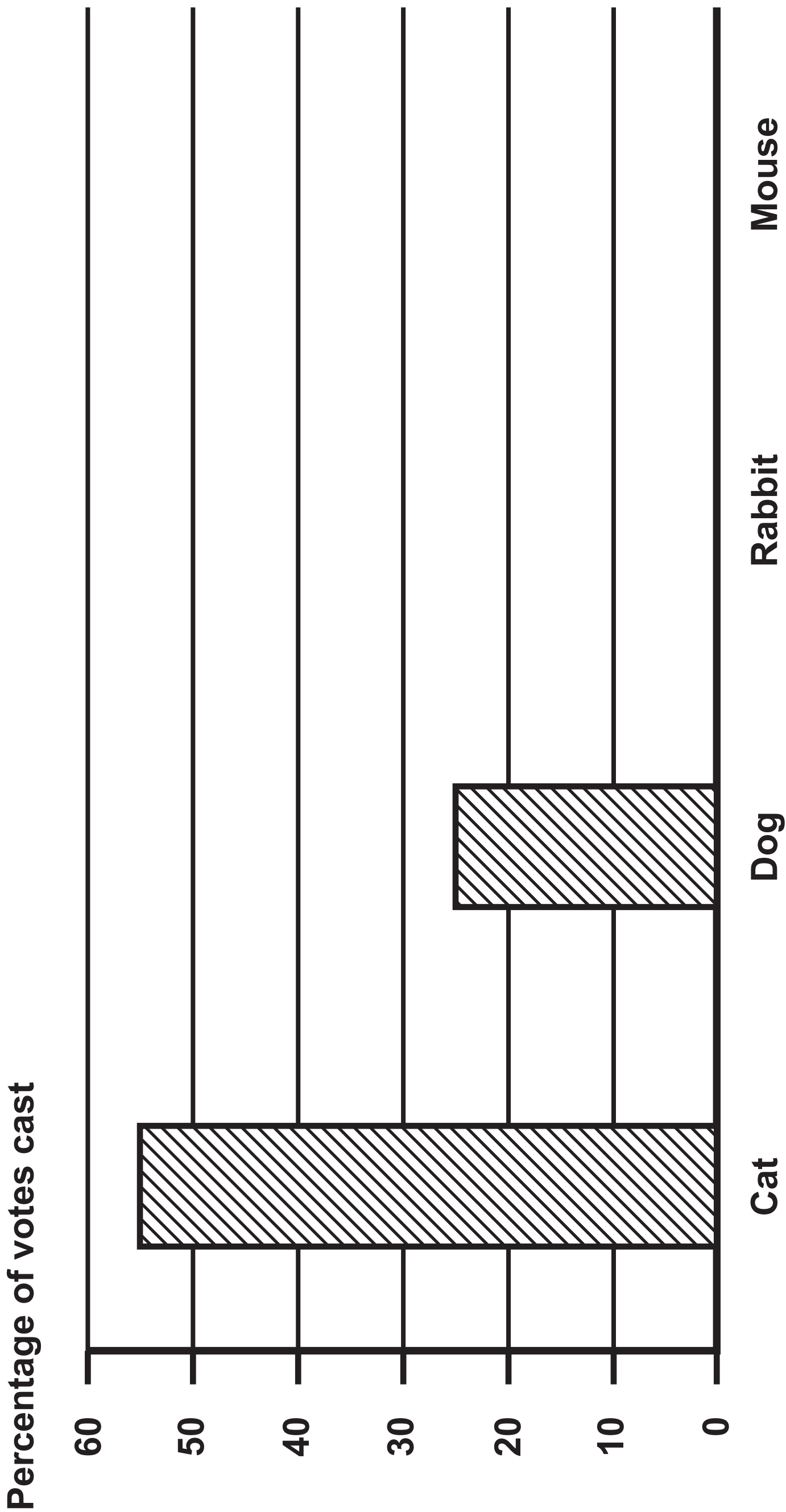
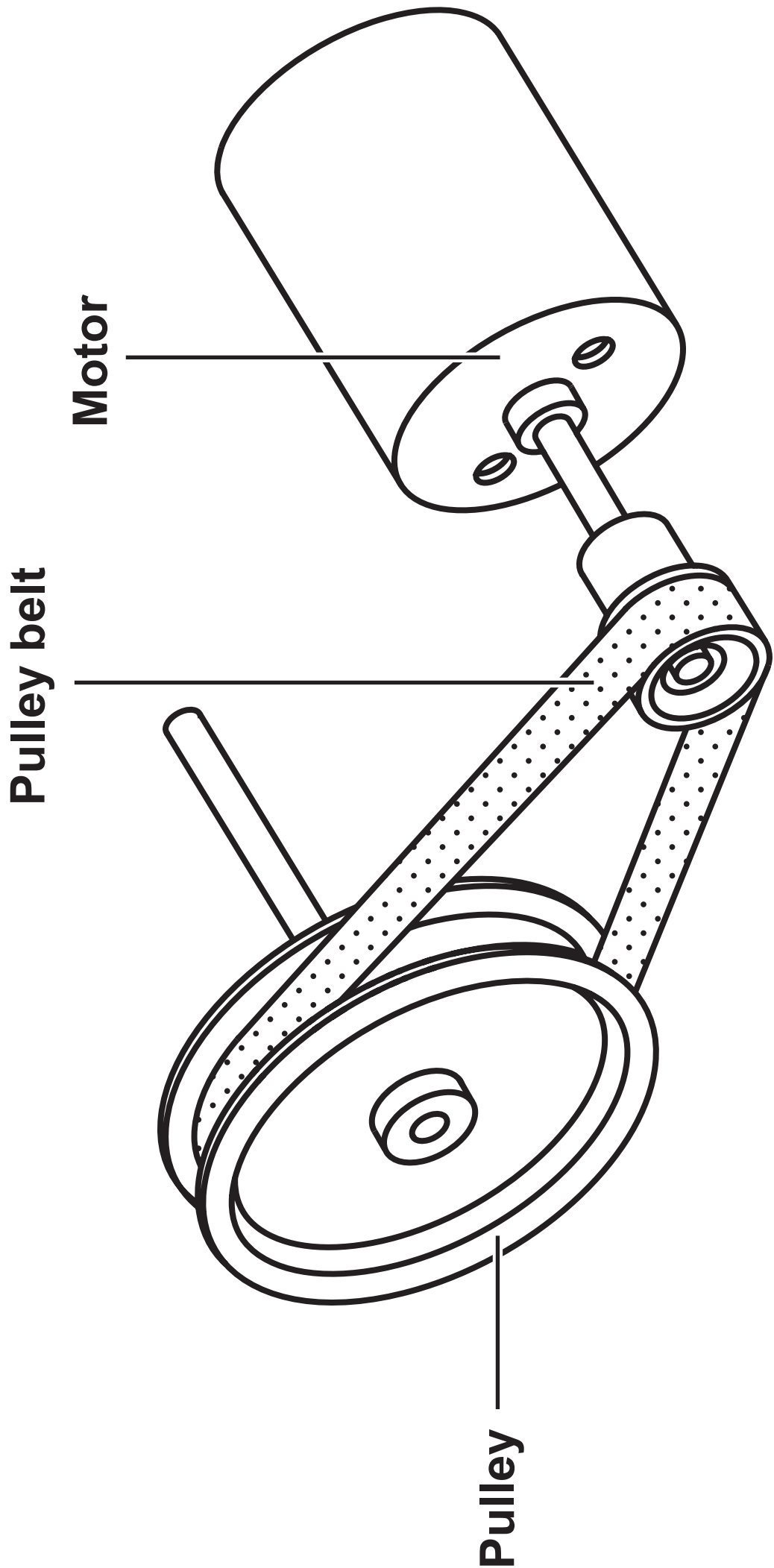


FIGURE 5



Cross section of
the pulley belt

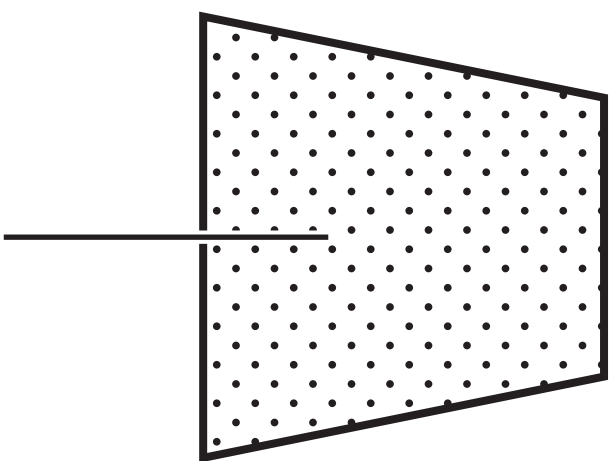
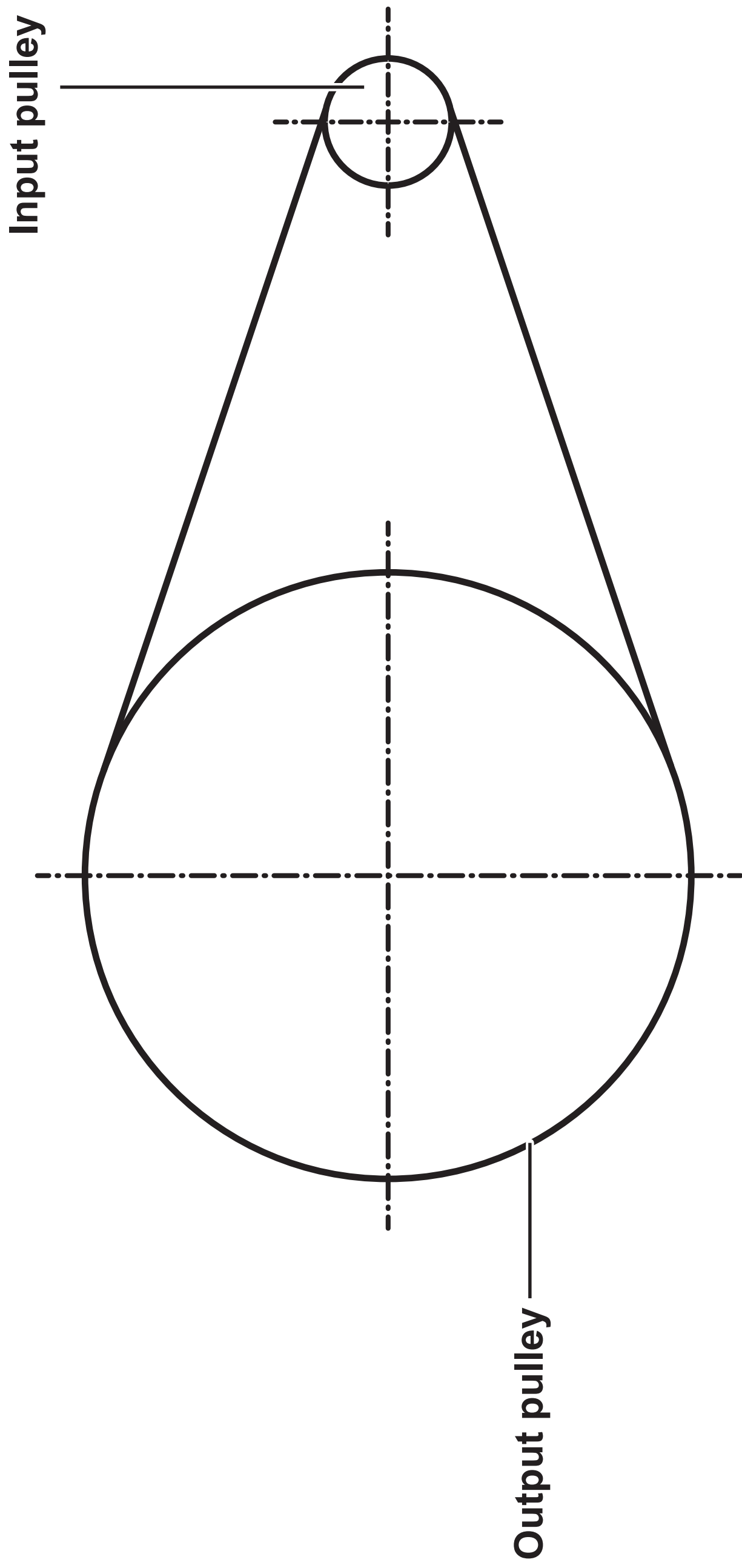
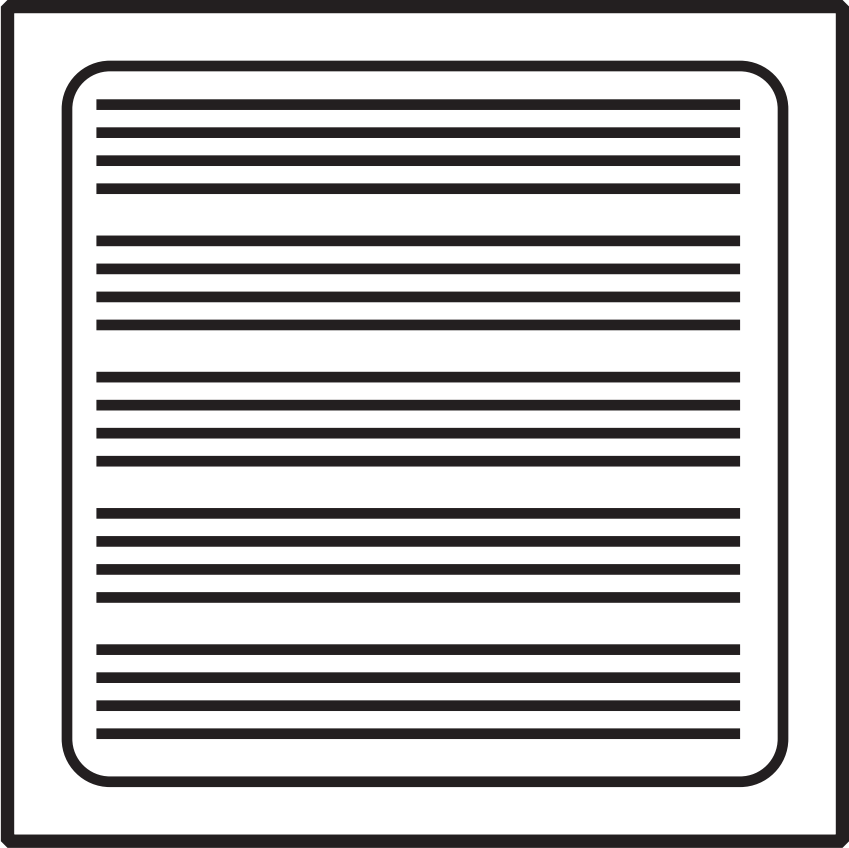


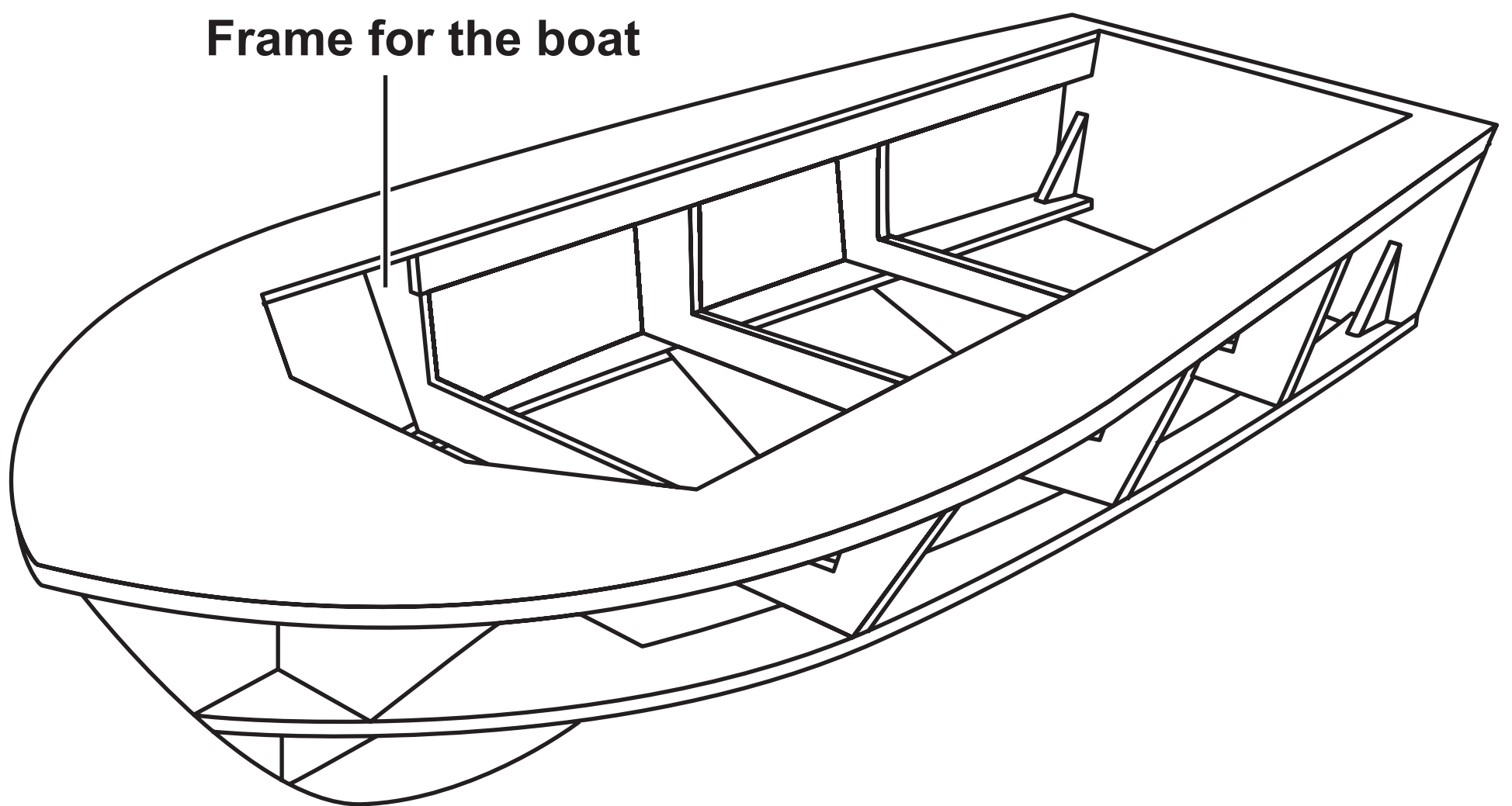
FIGURE 6



Question 3(d)

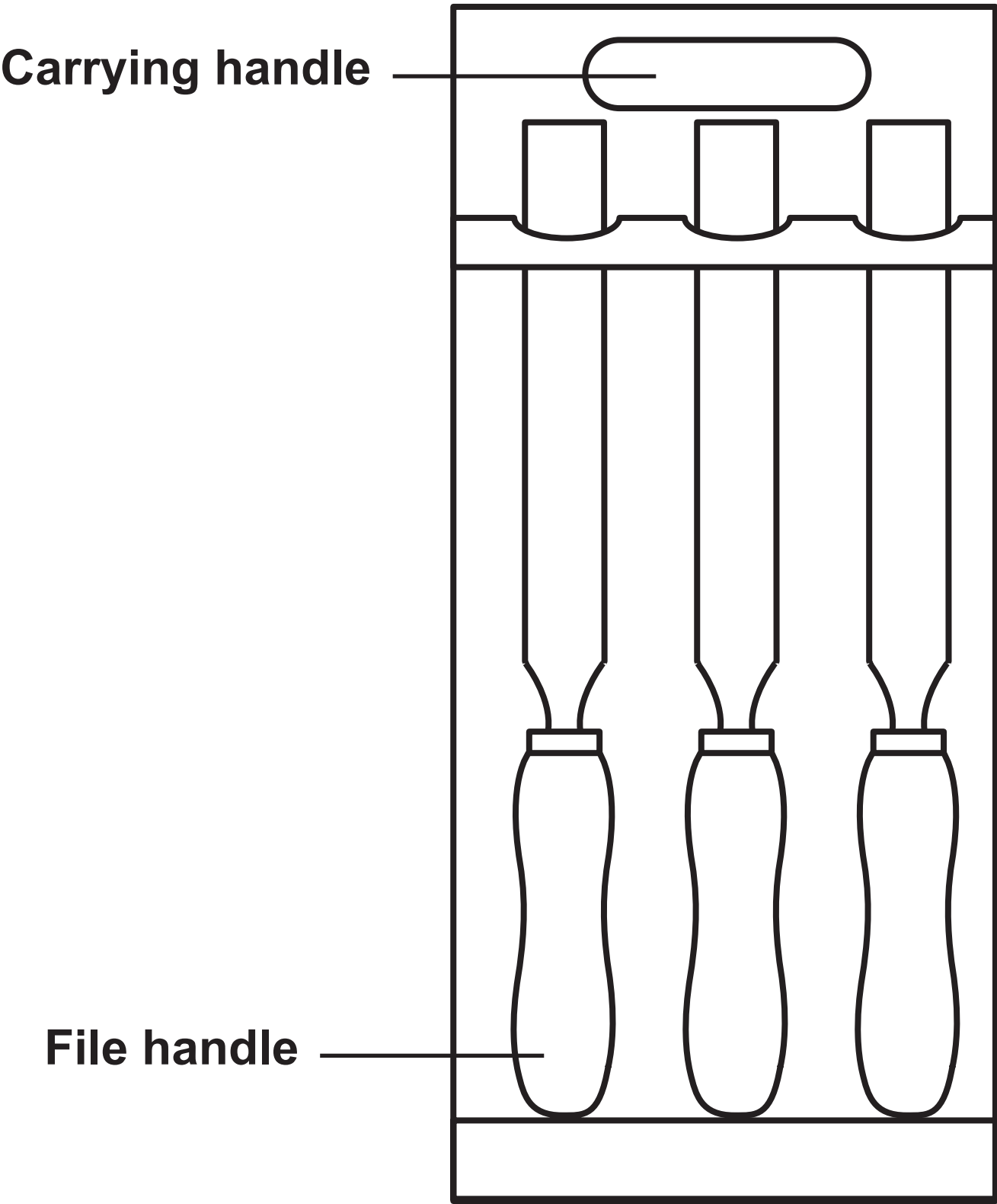
FIGURE 7



Question 3(e)**FIGURE 8**

Question 5

FIGURE 9

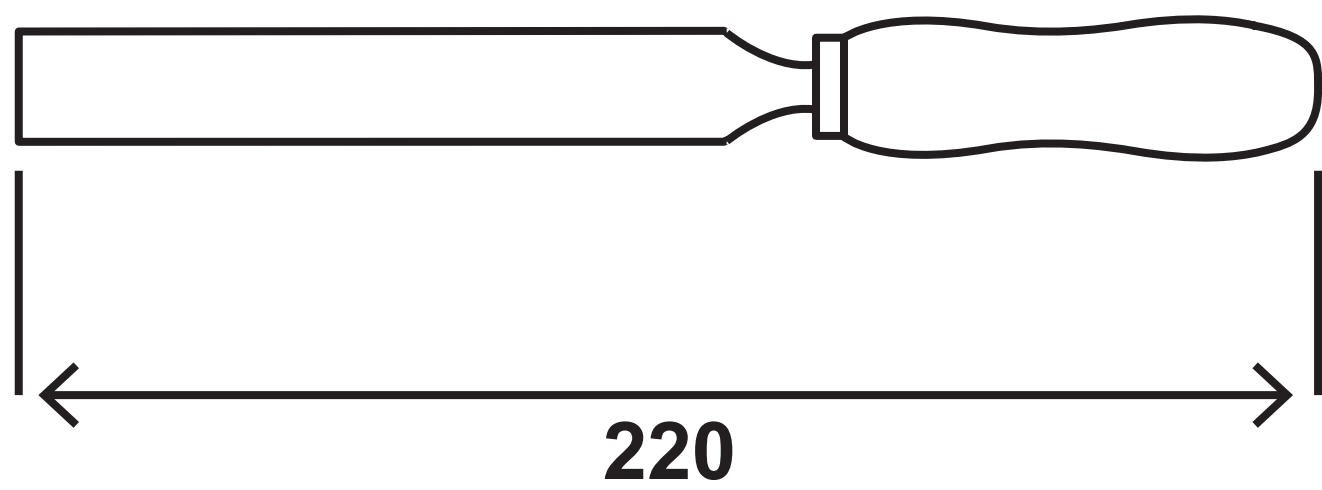


5 continued.

FIGURE 9

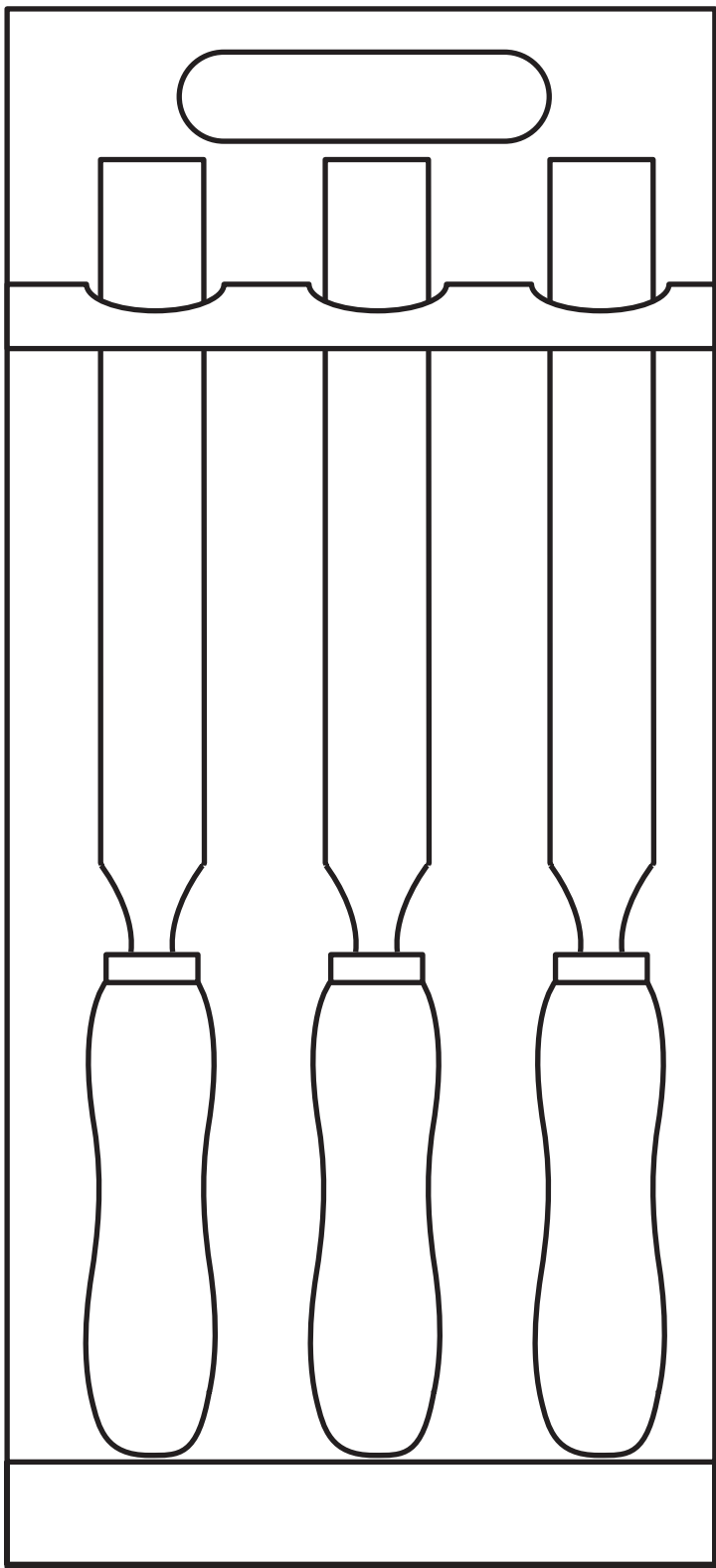
Additional information – dimensions of files

All dimensions in mm
Diagram not to scale



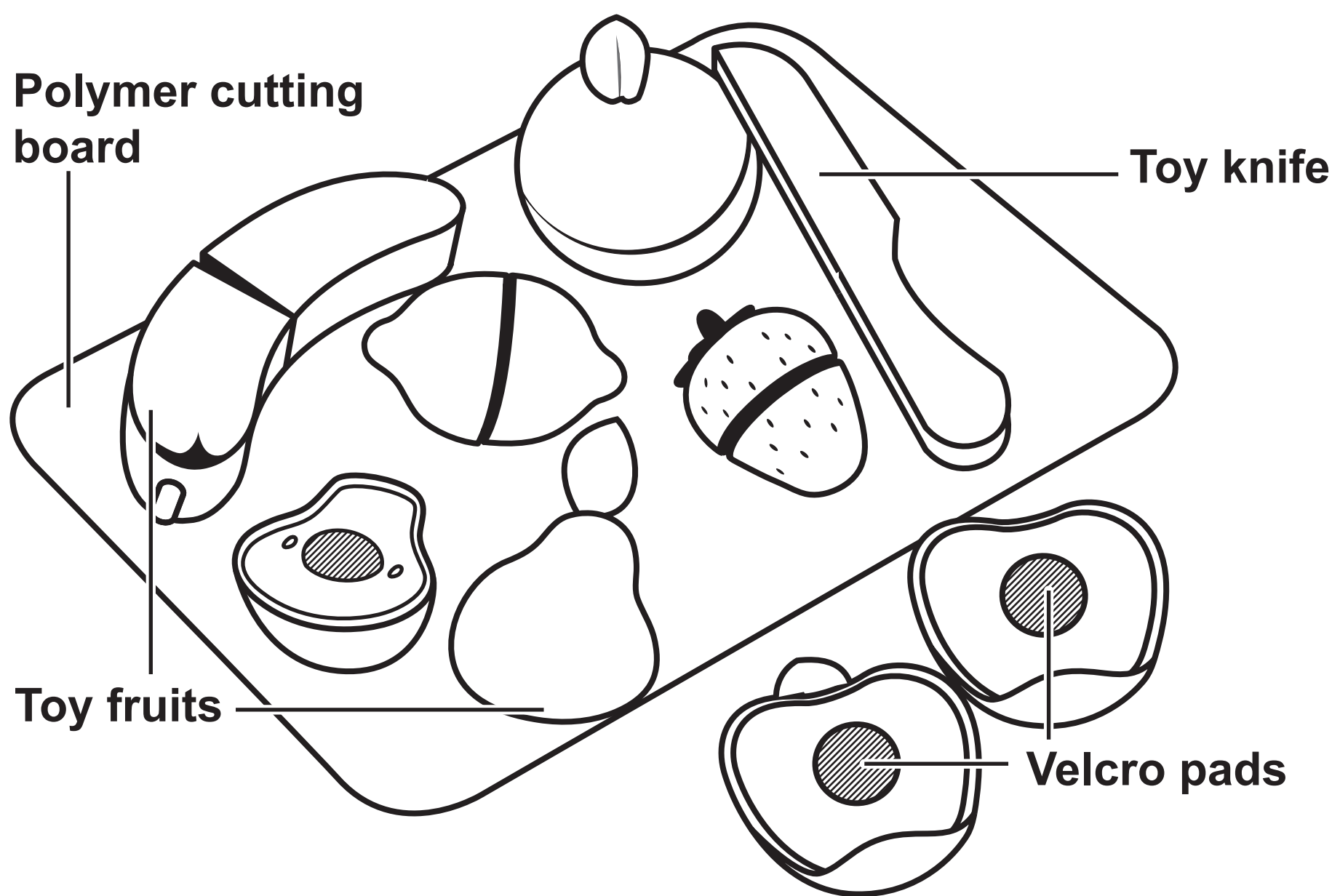
Question 5(a)

outline of the original design solution



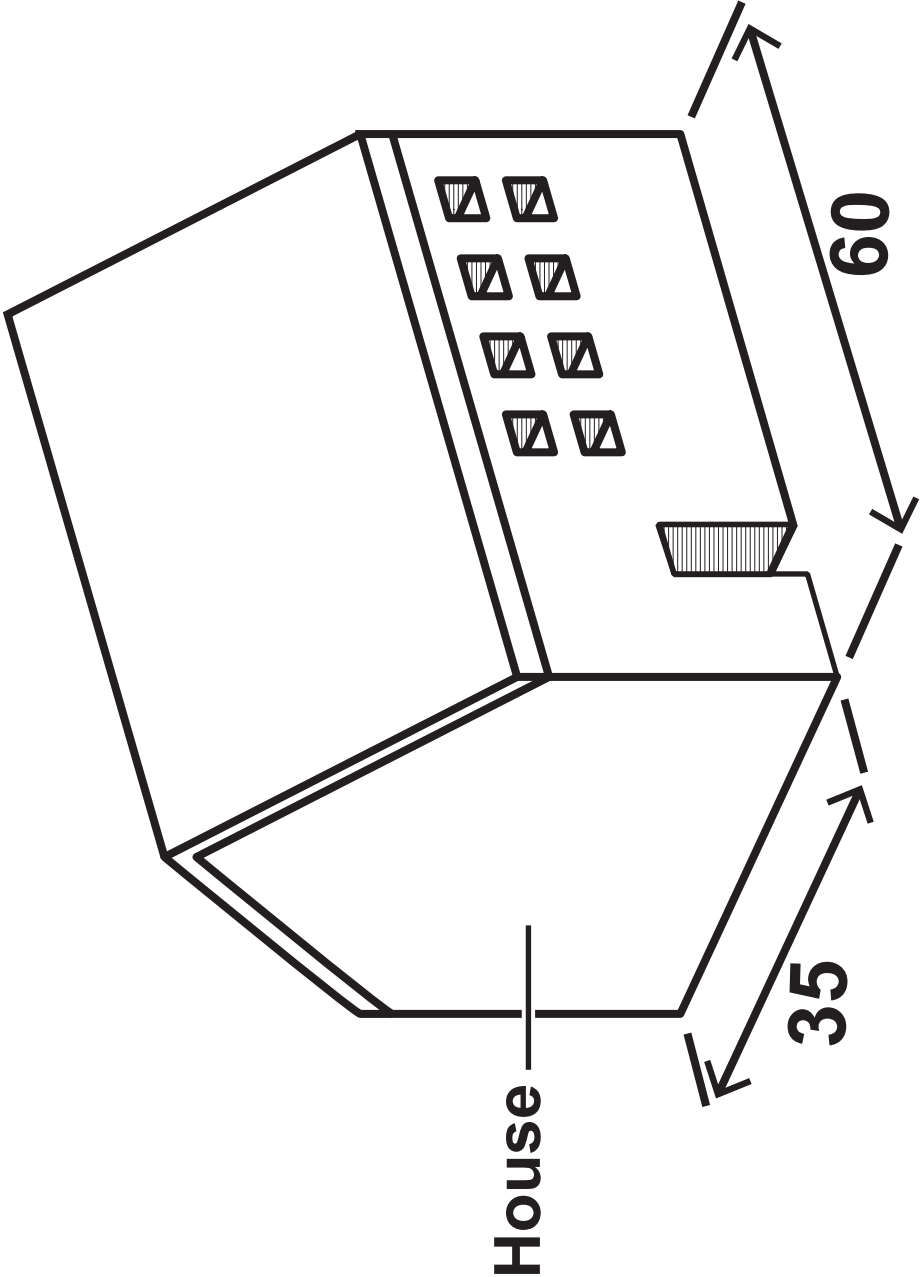
Question 5(b)

FIGURE 10



All dimensions in mm

Diagram not to scale



House tipped onto one end to see the hole for the candle in the underside

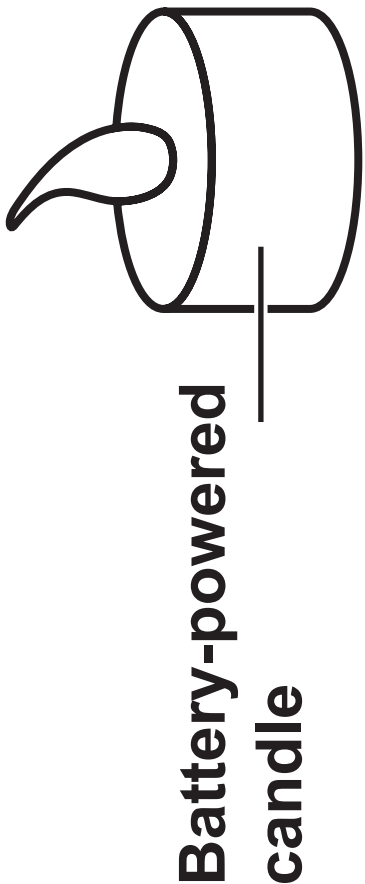
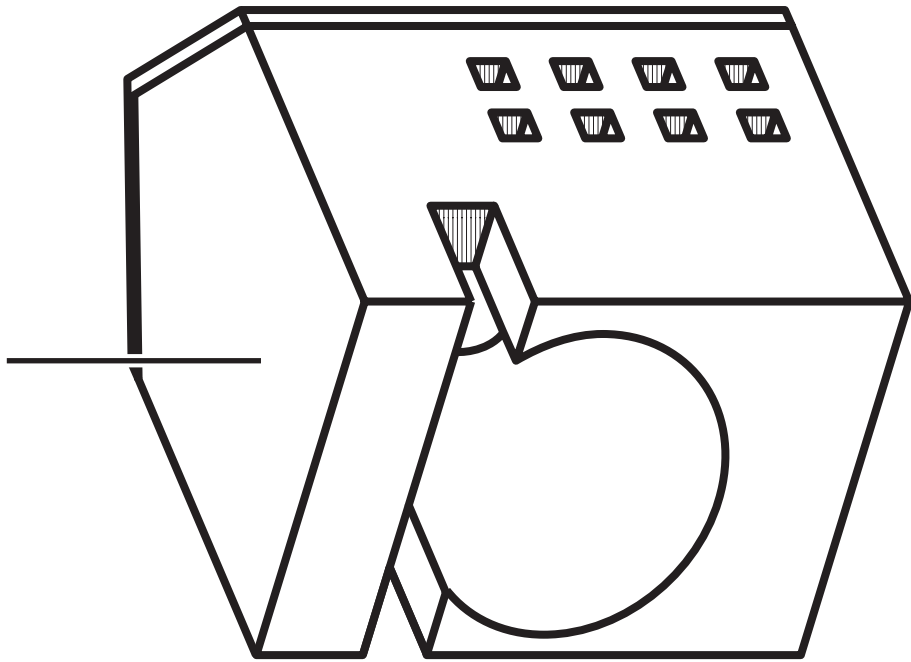


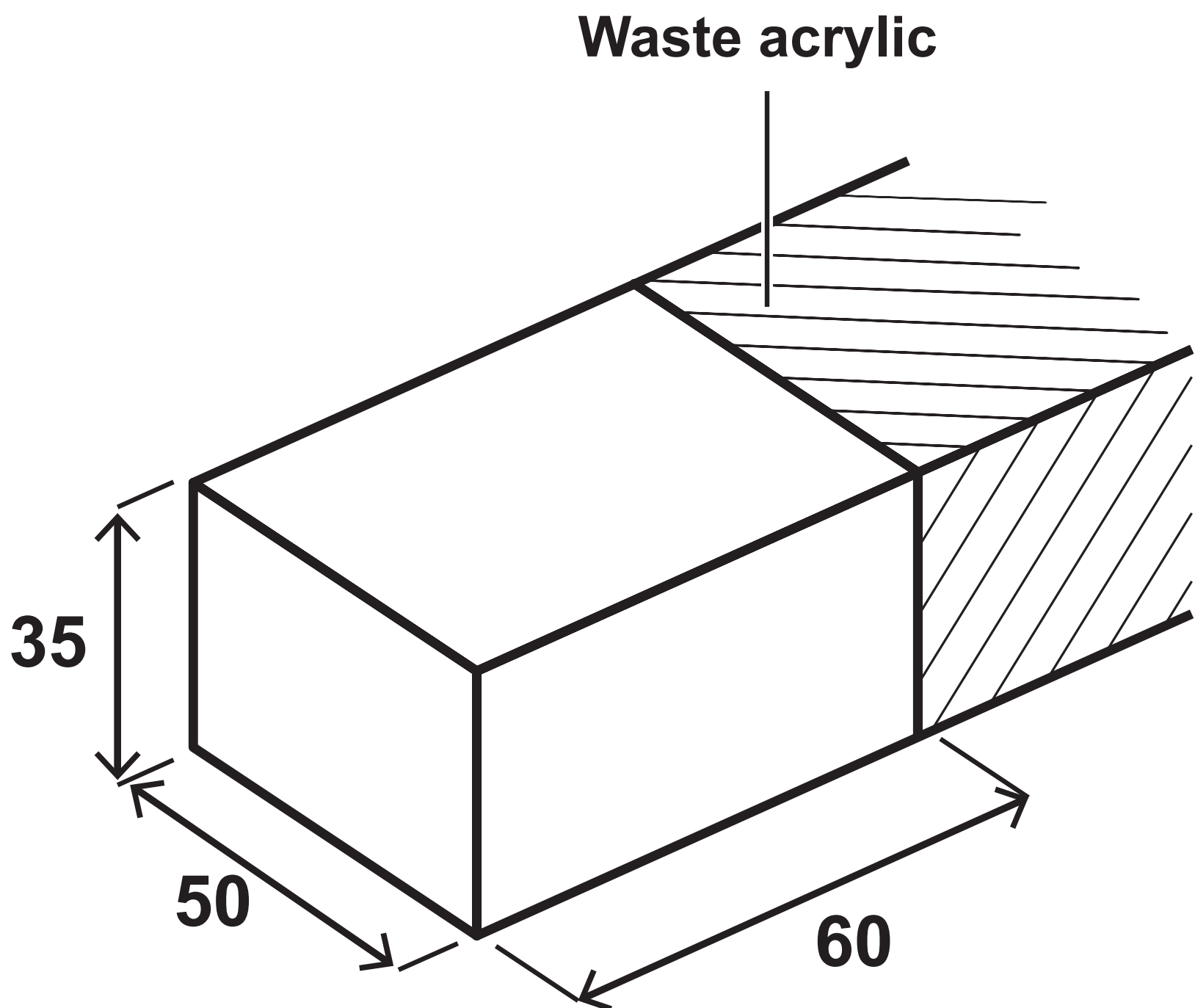
FIGURE 11

Question 6(b)

FIGURE 12

All dimensions in mm

Diagram not to scale

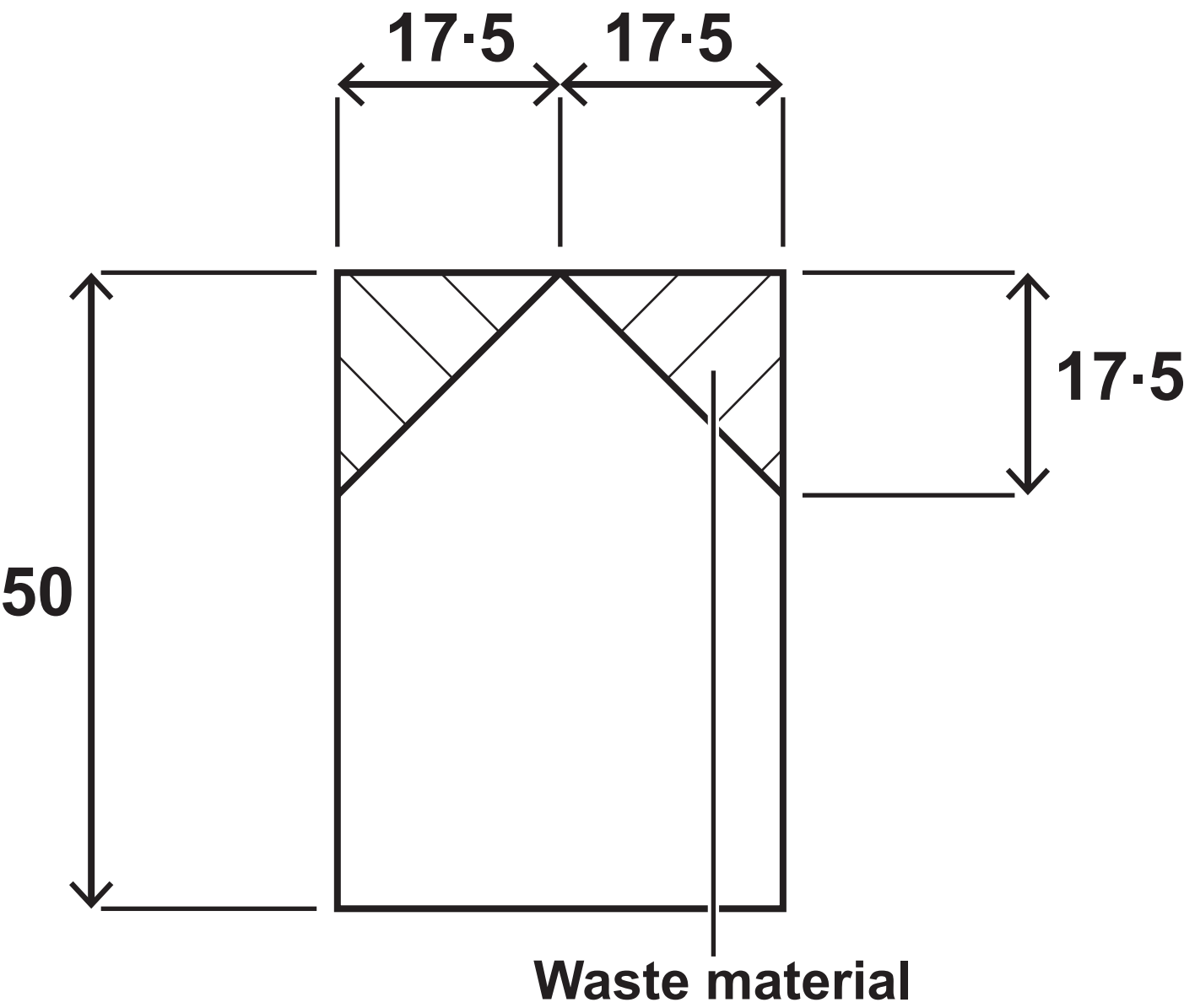


Question 6(d)

FIGURE 13

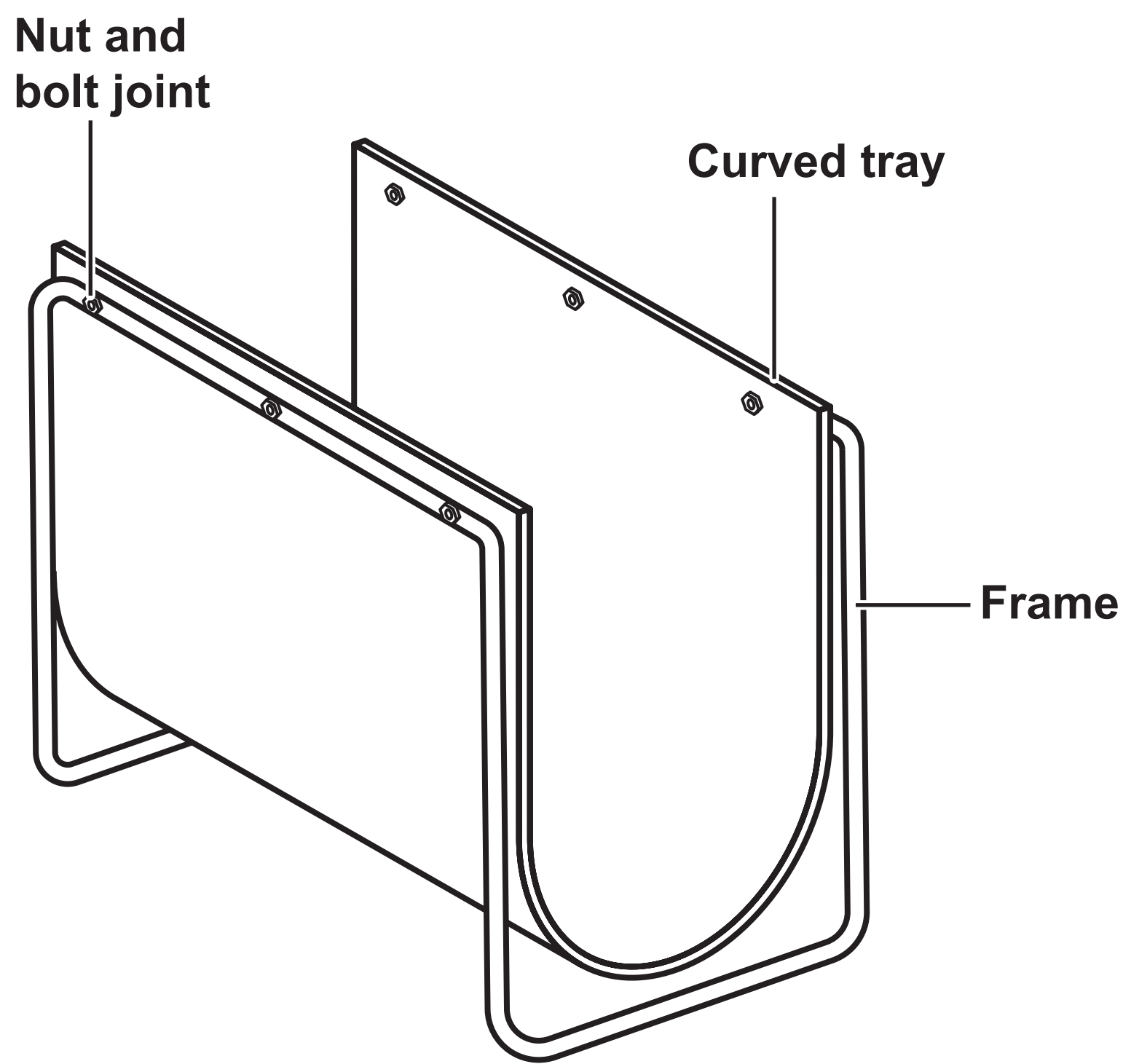
All dimensions in mm

Diagram not to scale



Question 7

FIGURE 14

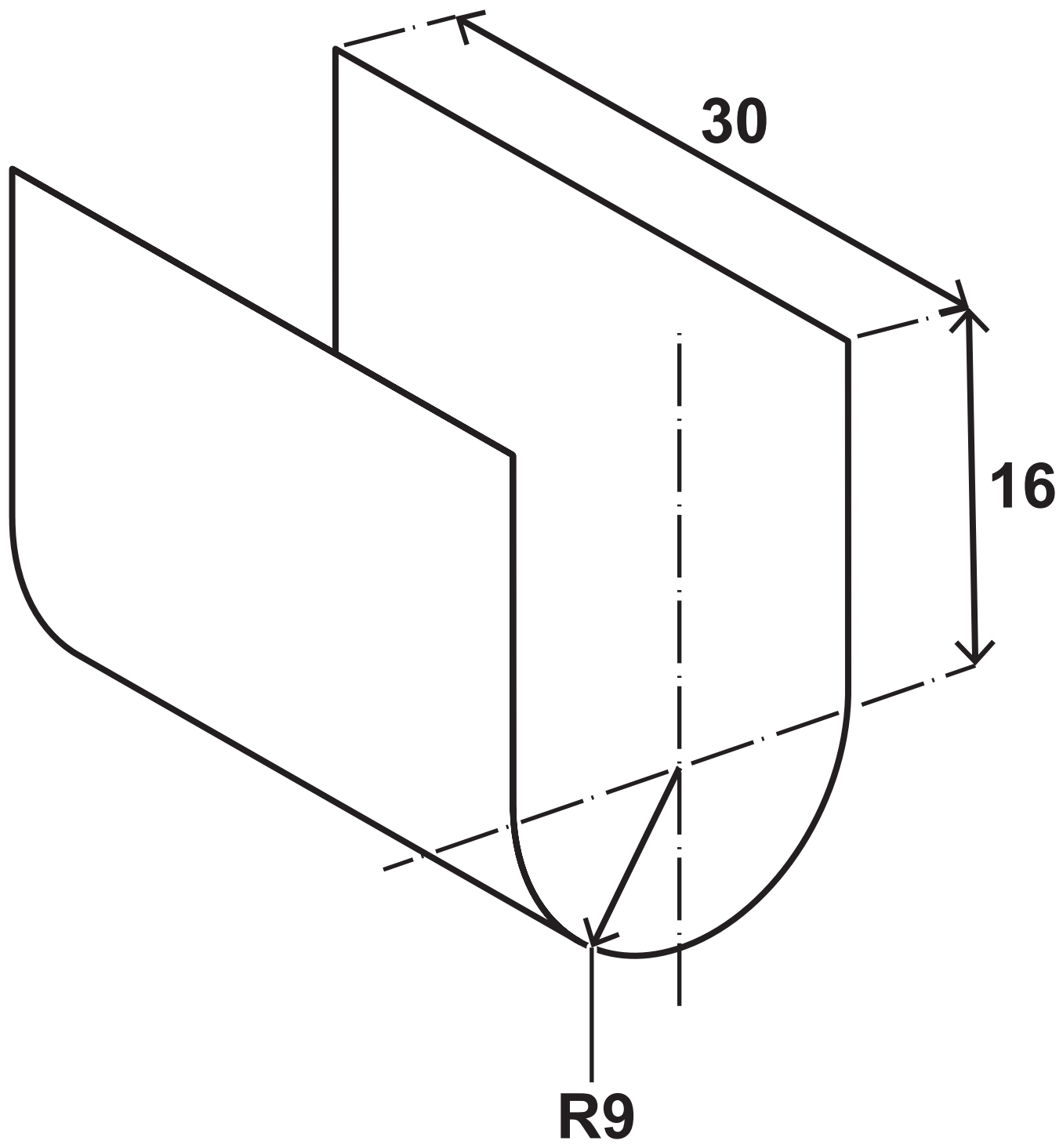


Question 7(c)

FIGURE 15

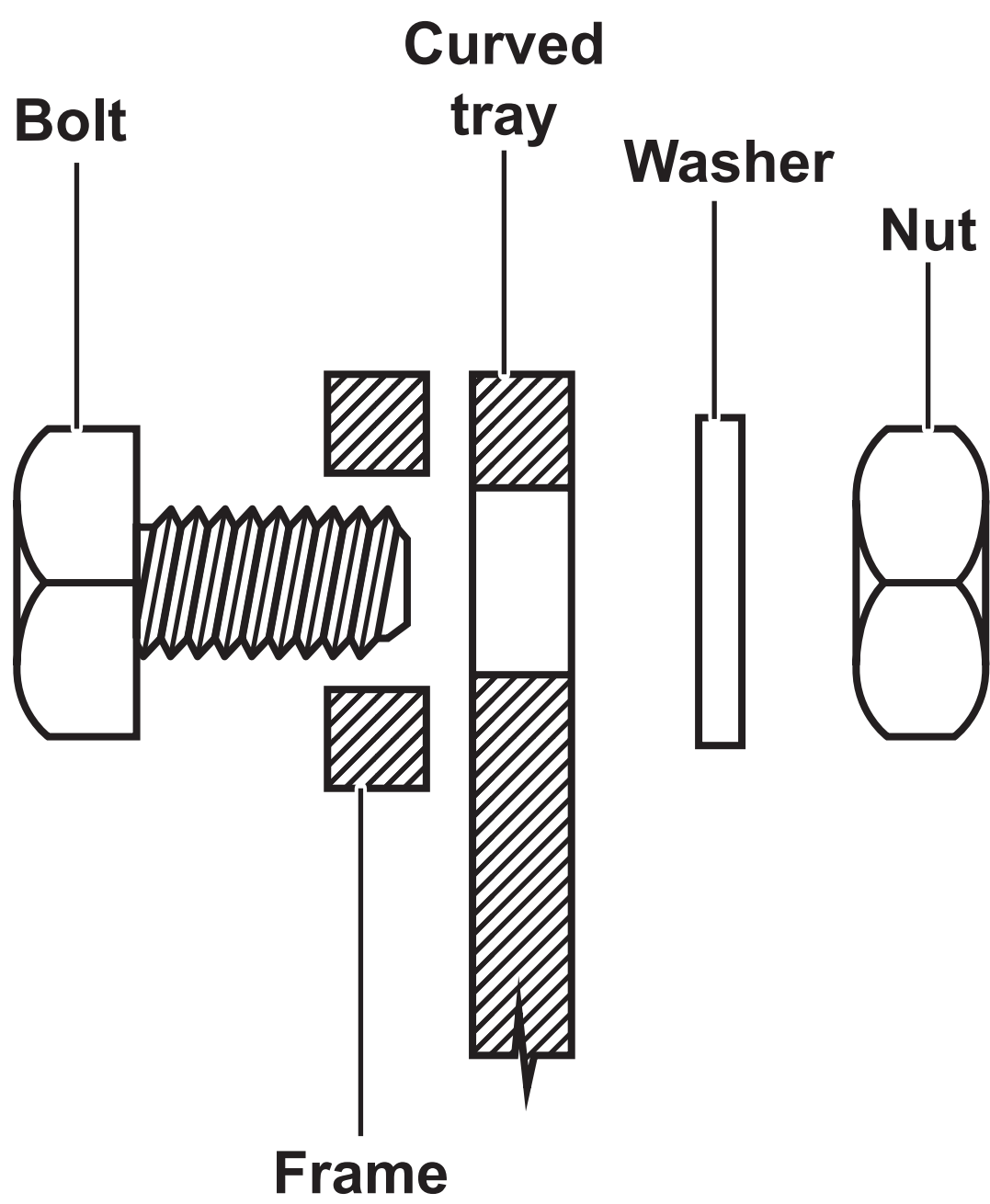
All dimensions in cm

Diagram not to scale



Question 7(d)

FIGURE 16



Question 8

FIGURE 17

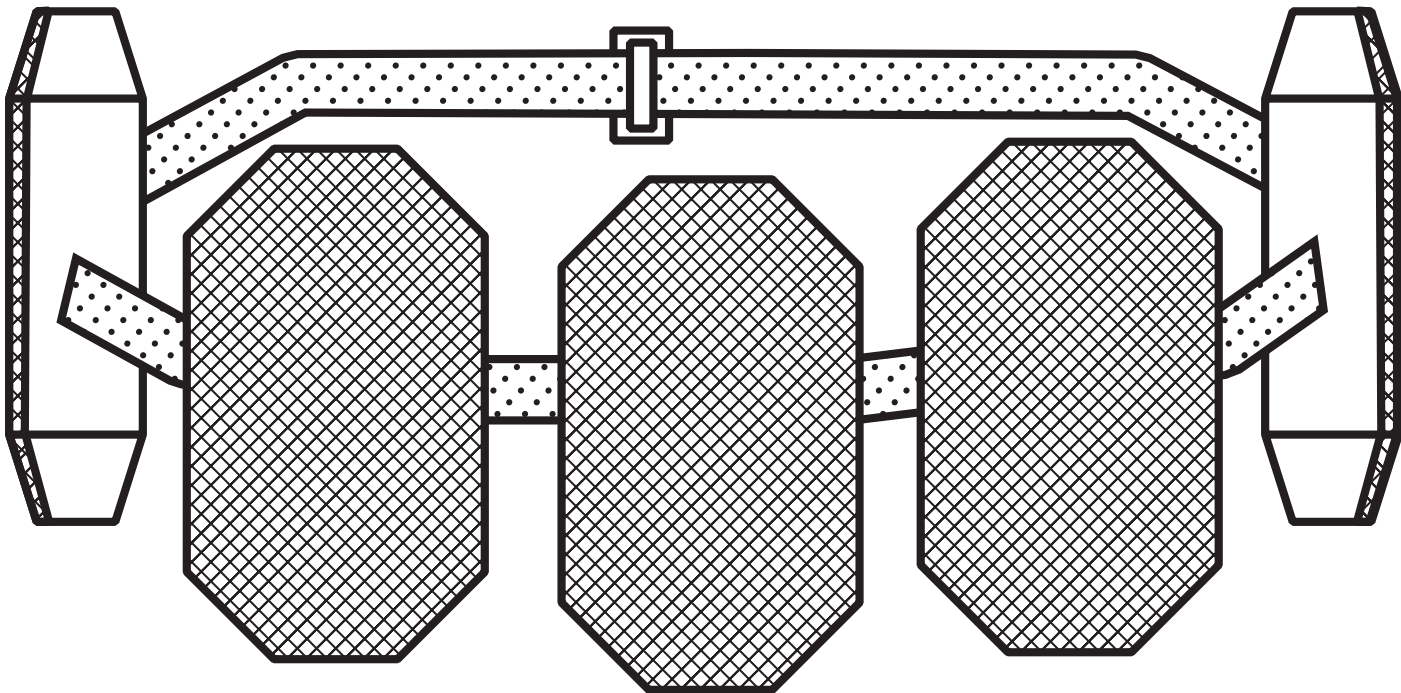
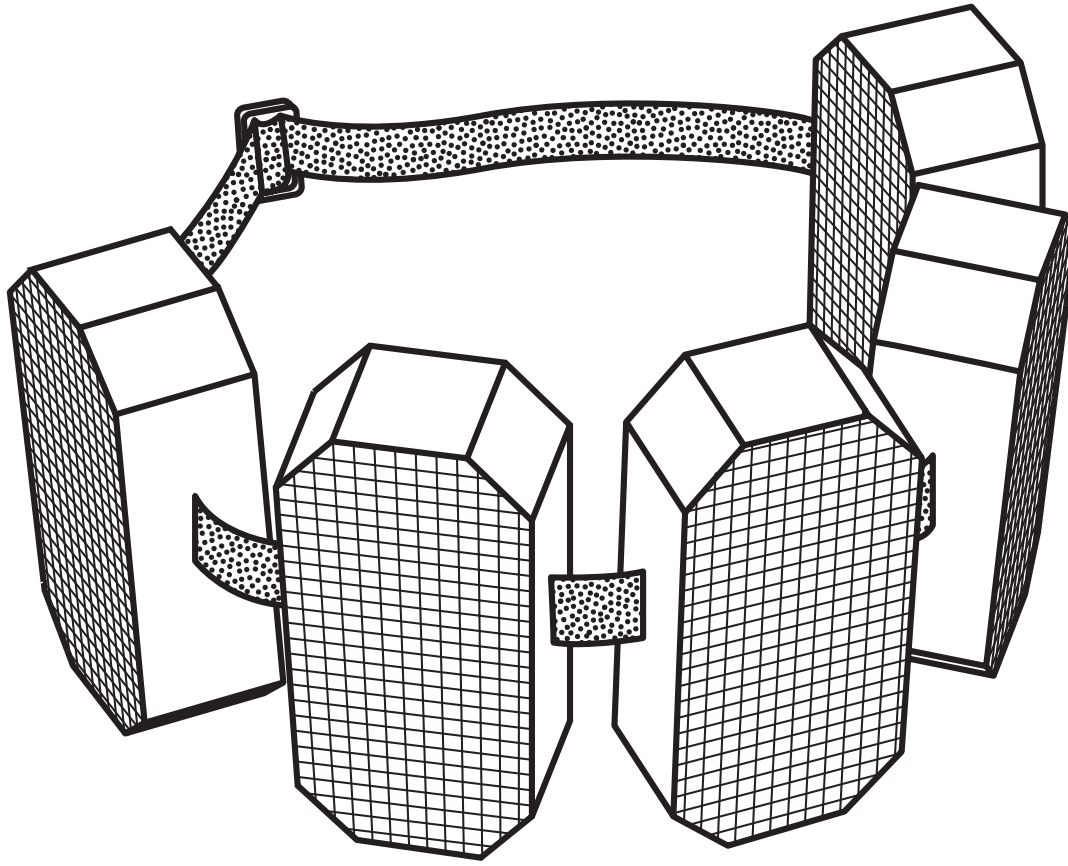
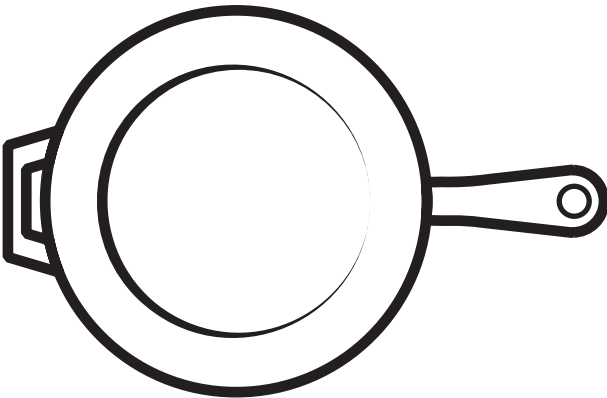
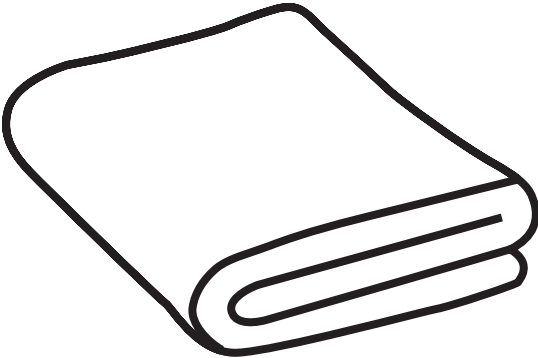


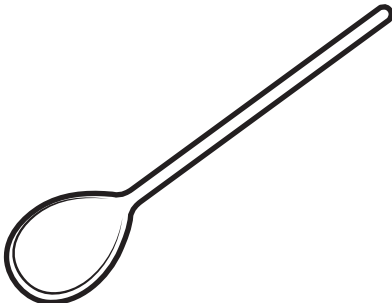


FIGURE 18

Source of expanded polystyrene	Saudi Arabia
Country of manufacture	United Kingdom
Potential market	Swimming clubs, health clubs, schools and hotels
Scale of production	Batch

Question 1(a)

FIGURE 1

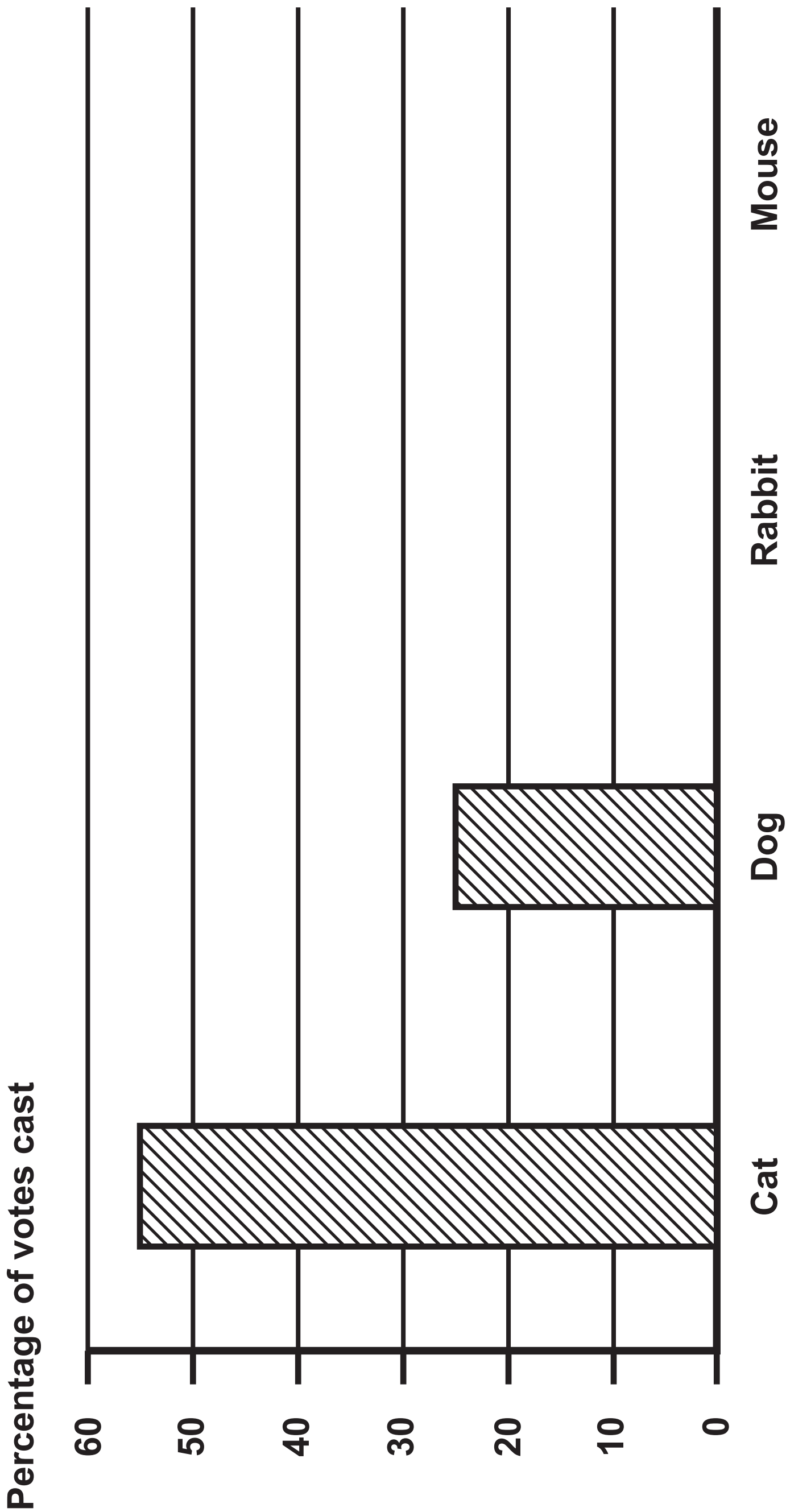
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Question 2(d)(i)

FIGURE 3

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TOTAL	300	100

FIGURE 4



Question 5(a)

outline of the original design solution

