

Design and Technology
COMPONENT 1: Timbers

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.

CONTENTS

Page

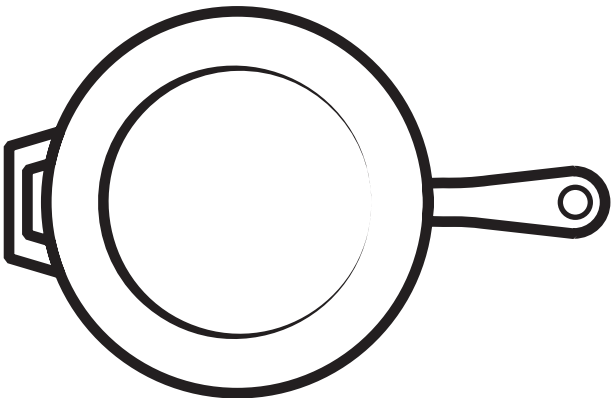
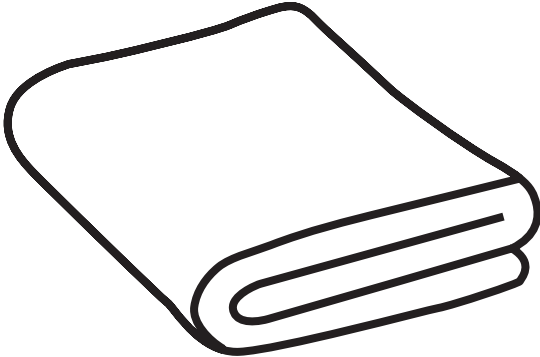
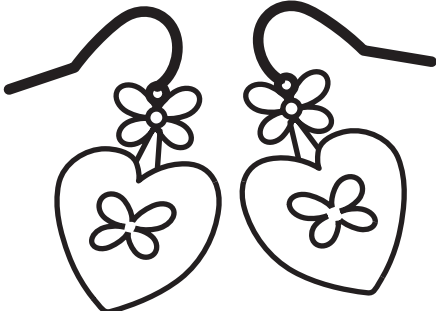

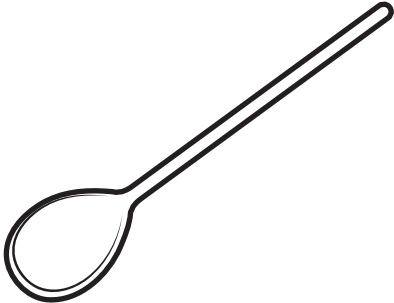
3	Question 1(a)
4	Question 2
5	Question 2(d)
6	Question 2(d)(ii)
7	Question 3
8	Question 3(c)
9	Question 3(d)
10	Question 3(e)
11	Question 5 – not to scale
12	Question 5(a) – outline diagram
13	Question 5(b)
14	Question 6 – not to scale
15	Question 6(b) – not to scale
16	Question 6(d) – not to scale
17	Question 7
18	Question 7(c) – not to scale
19	Question 7(d)
20	Question 8
21	Question 8(d)

Spare Copies

22	Question 1(a)
23	Question 2(d)
24	Question 2(d)(ii)
25	Question 5(a) – outline diagram

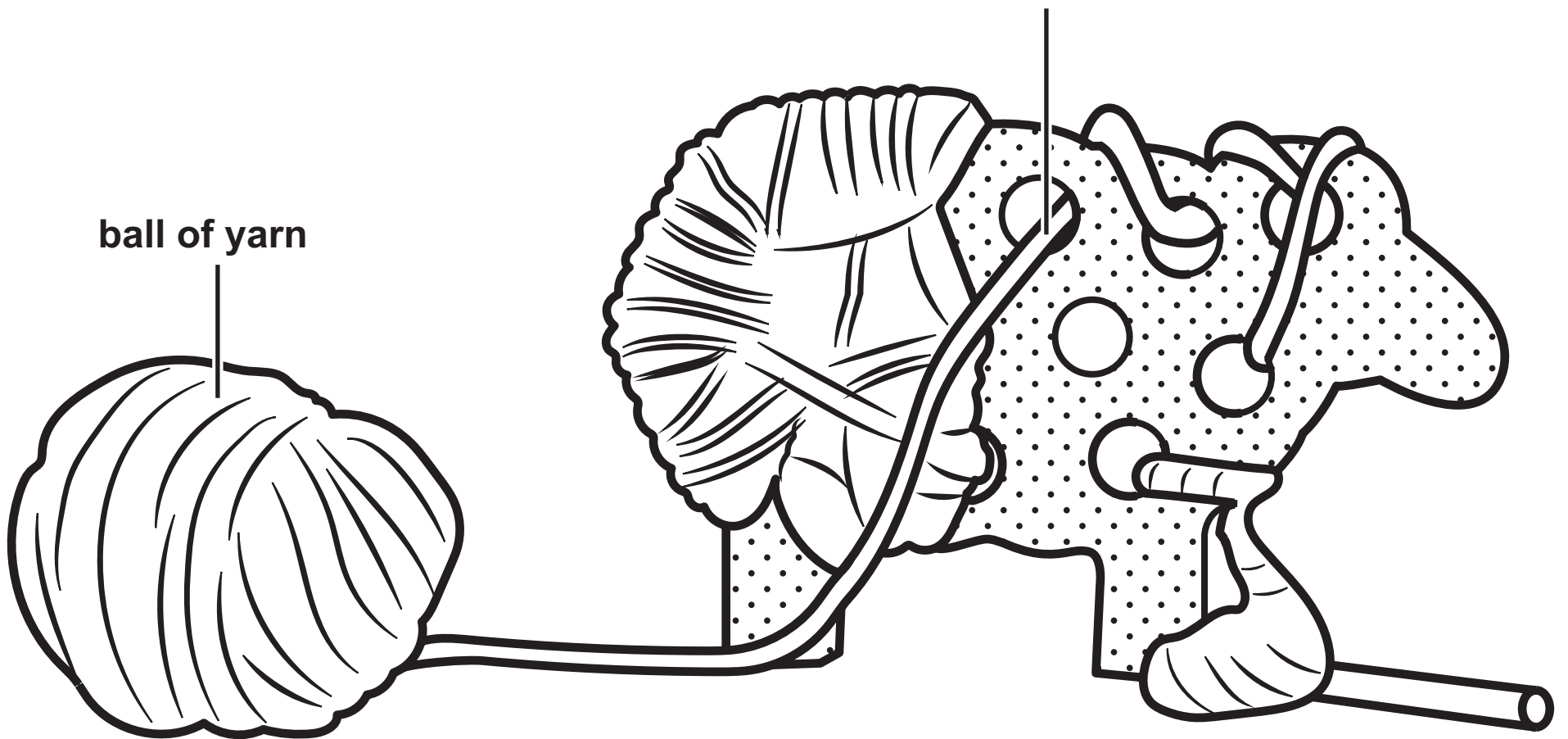
Question 1(a)

FIGURE 1

Picture of product	Material and product	Property
	Cast iron frying pan	Hard
	Cotton bath towel	(i) <hr/> (1 mark)
	Polyester resin earrings	(ii) <hr/> (1 mark)
	Copier paper	(iii) <hr/> (1 mark)
	Beech cooking spoon	(iv) <hr/> (1 mark)

Question 2**FIGURE 2**

yarn threaded through the wooden sheep



Question 2(d)

FIGURE 3

Animal	Number of votes	Percentage of votes (%)
Cat	165	55
Dog	75	25
Rabbit	_____	15
Mouse	_____	5
TOTAL	300	100

Question 2(d)(ii)

FIGURE 4

Percentage of votes cast

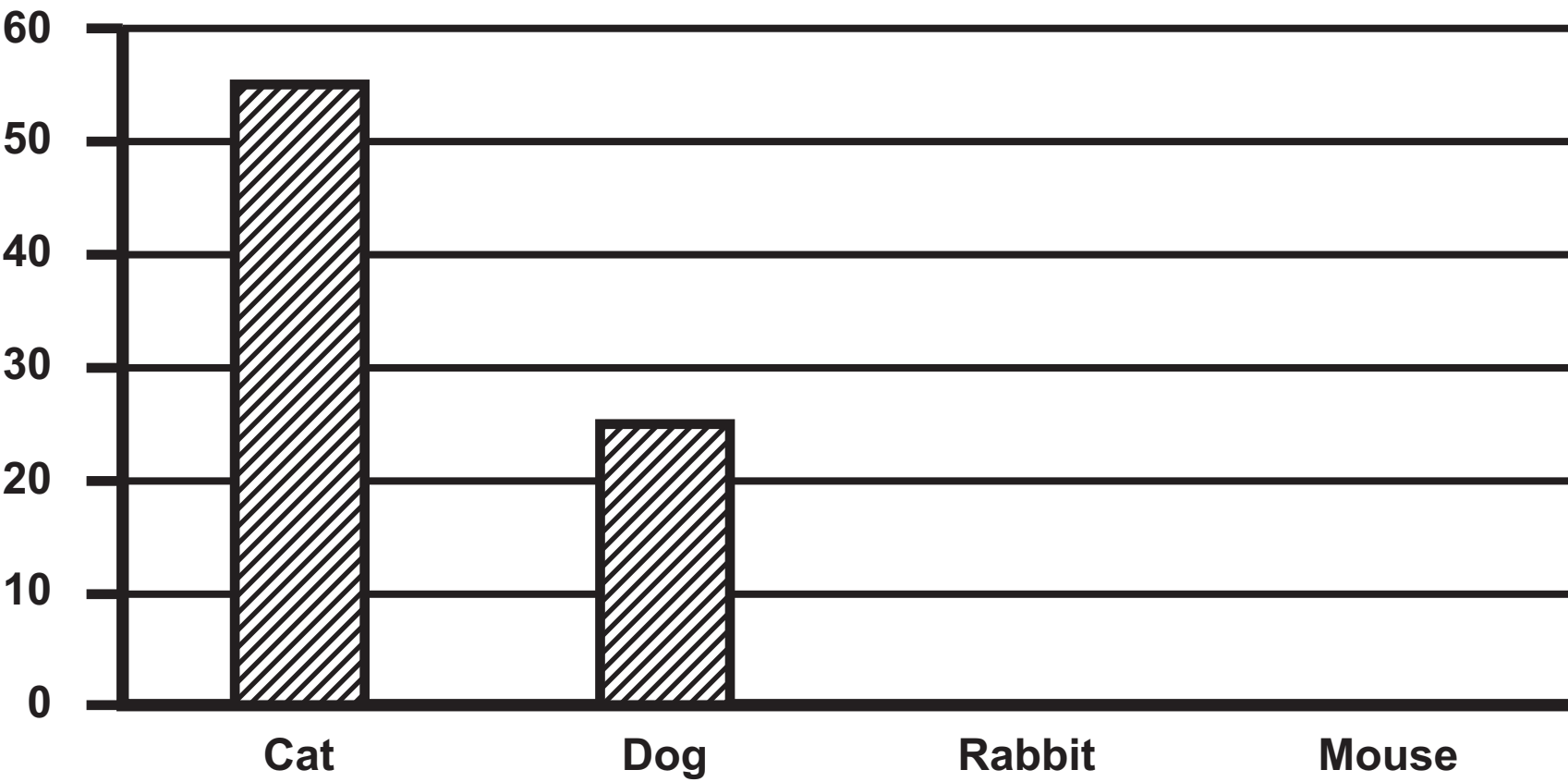
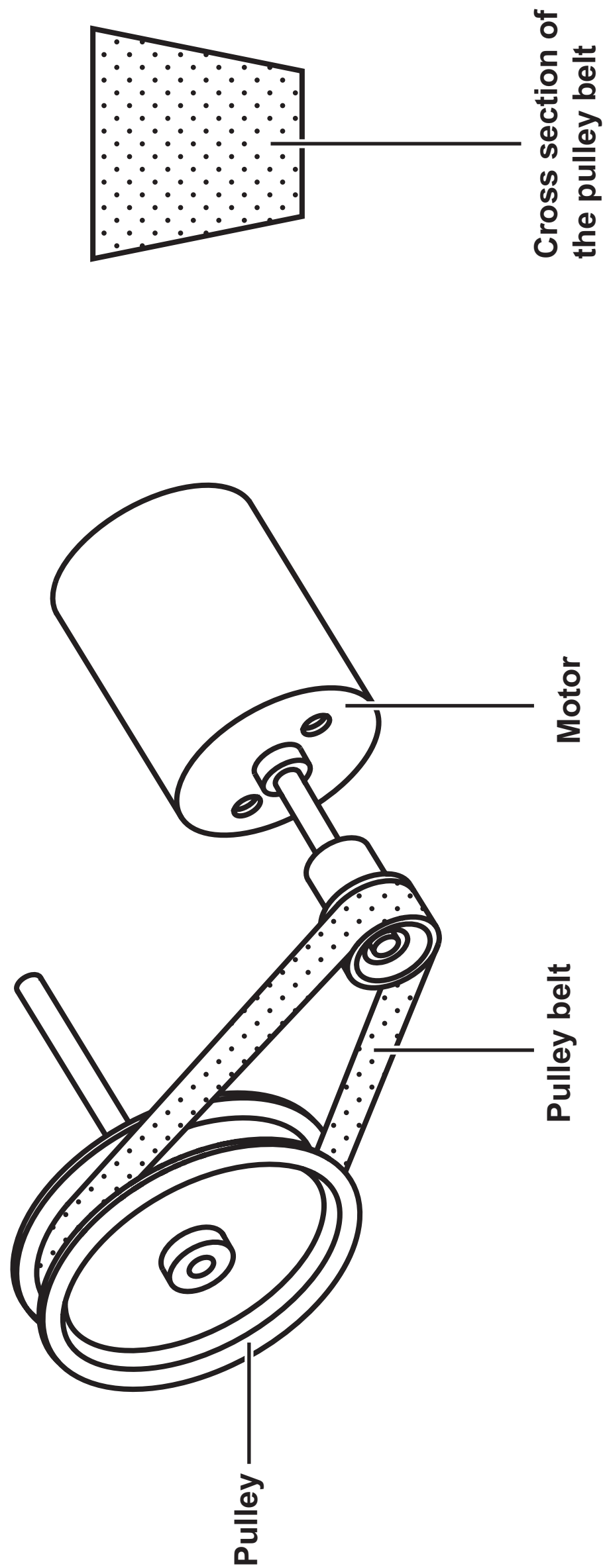
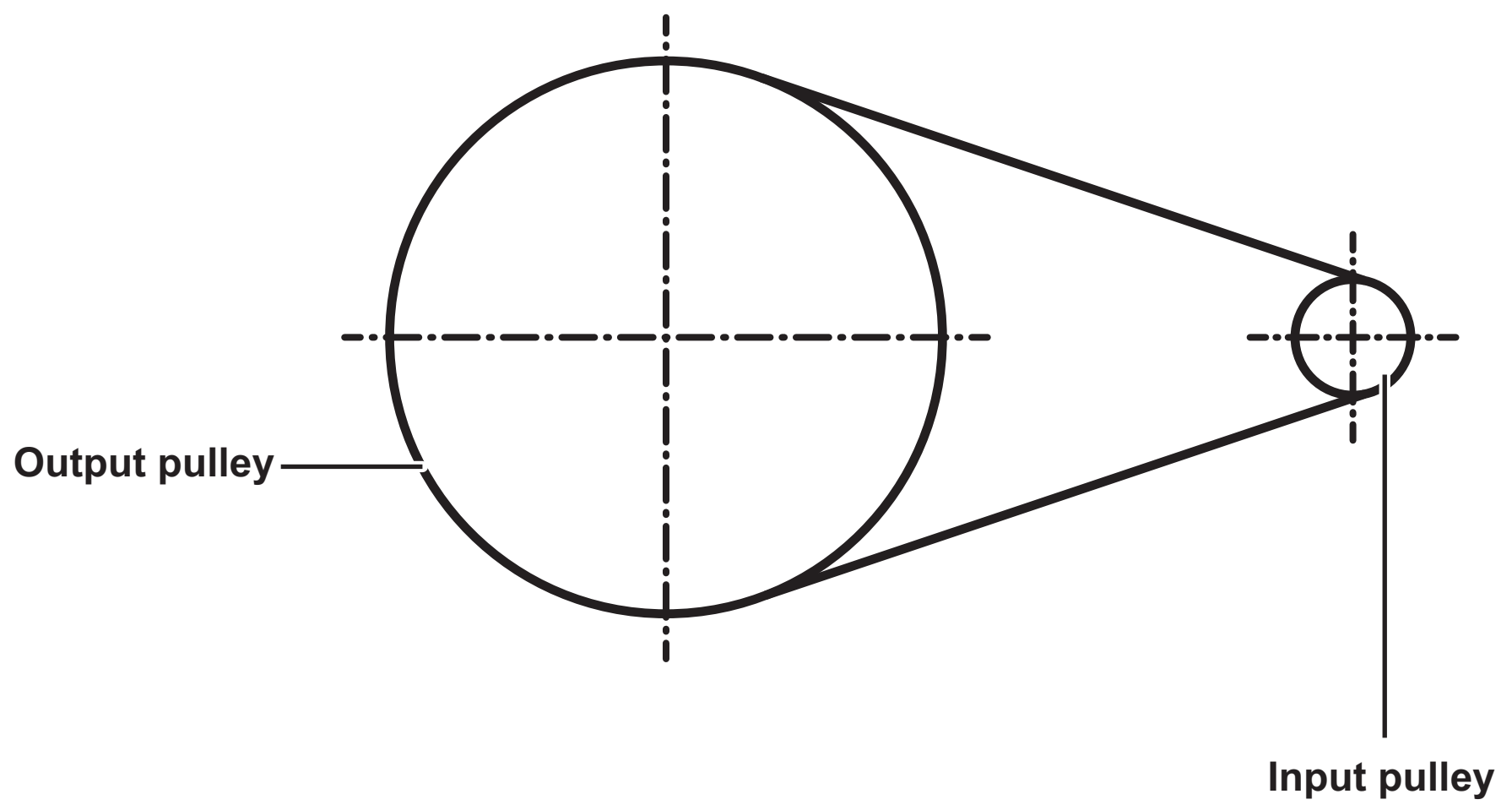


FIGURE 5



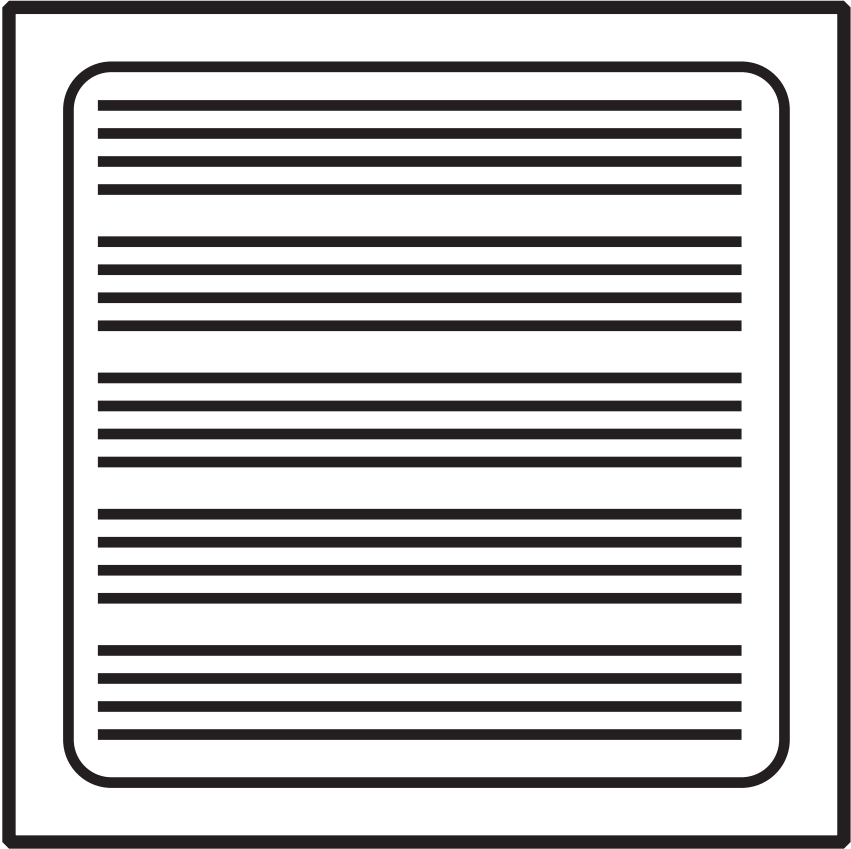
Question 3(c)

FIGURE 6



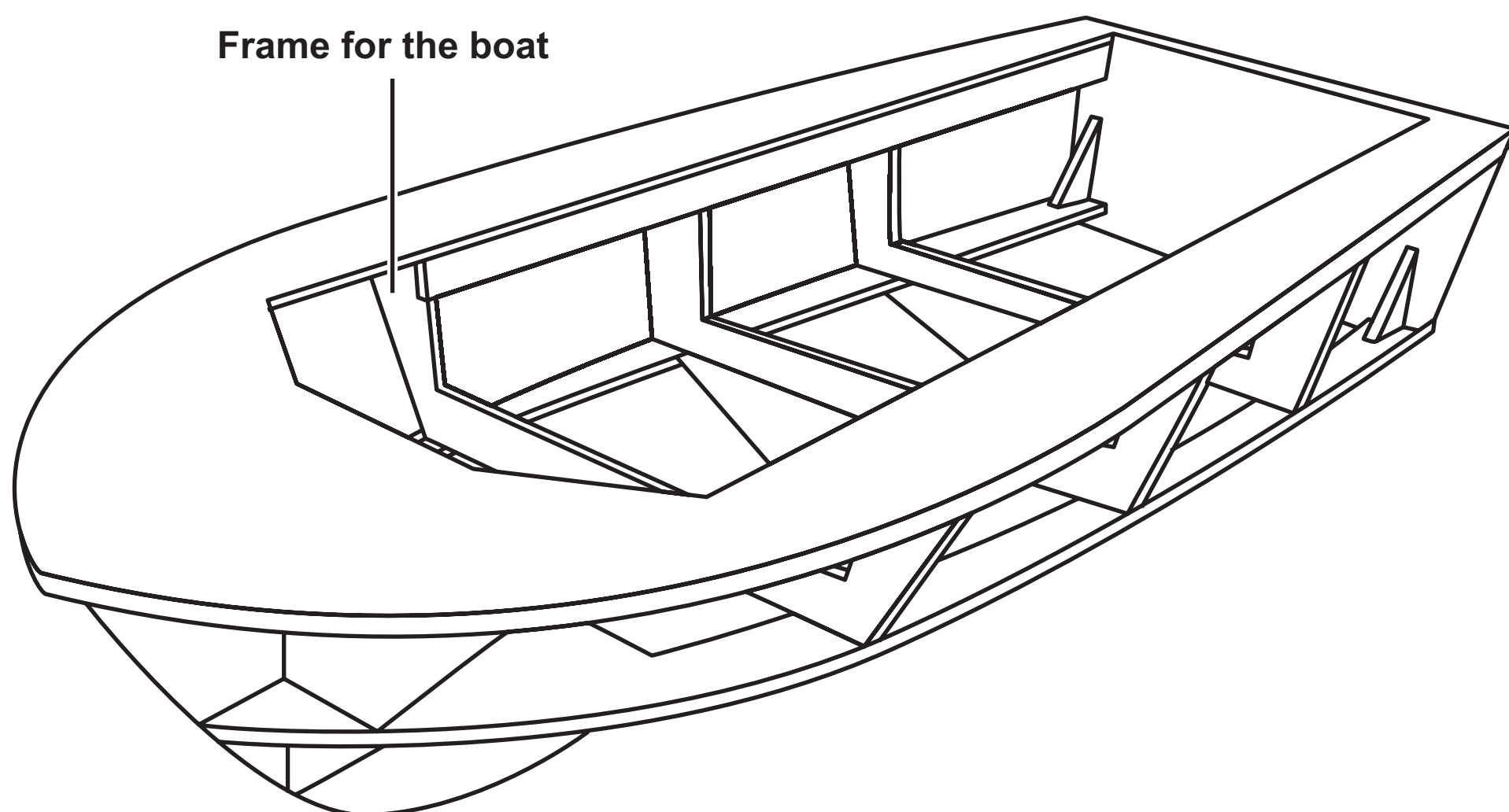
Question 3(d)

FIGURE 7



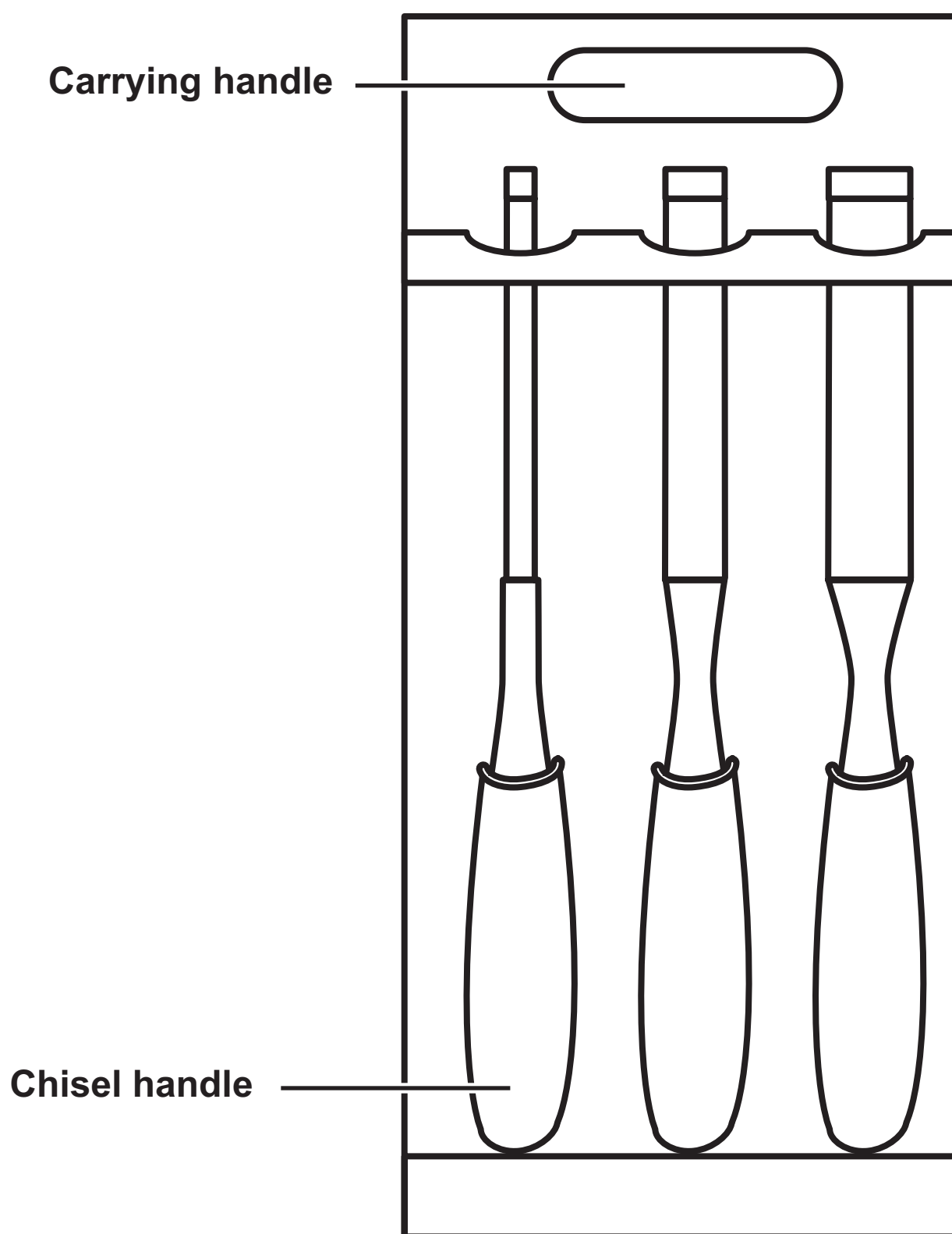
Question 3(e)

FIGURE 8



Question 5 – not to scale

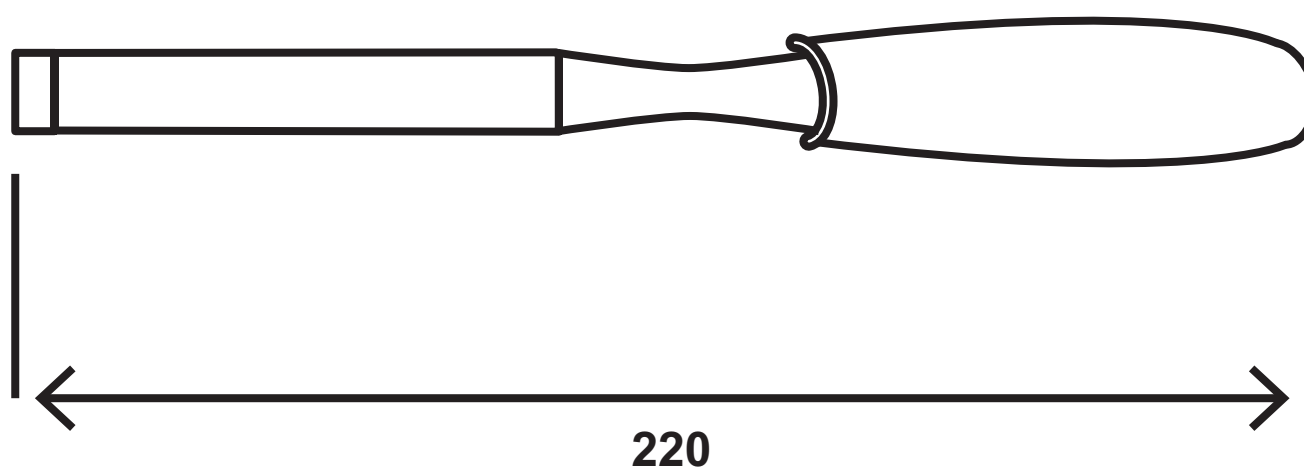
FIGURE 9

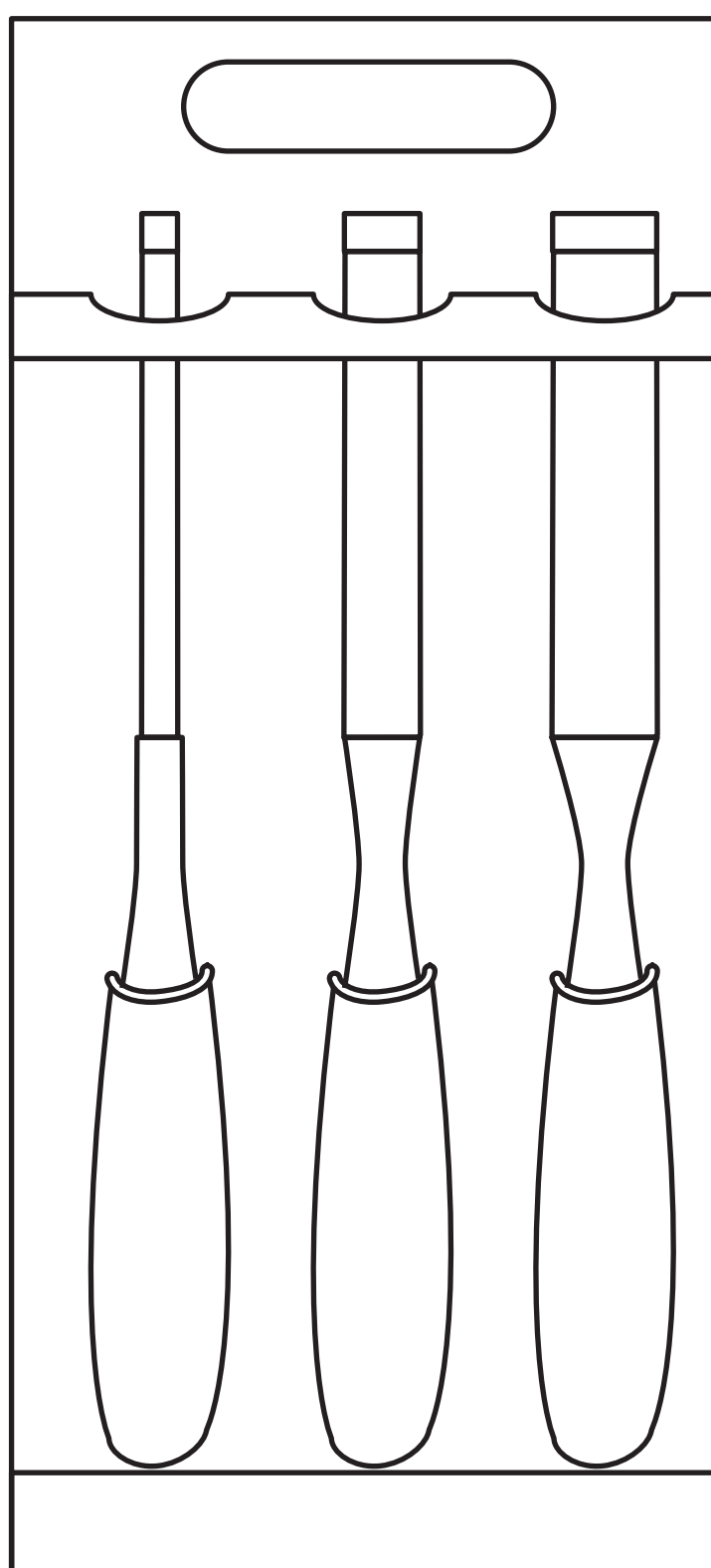


Additional information – dimensions of chisels

All dimensions in mm

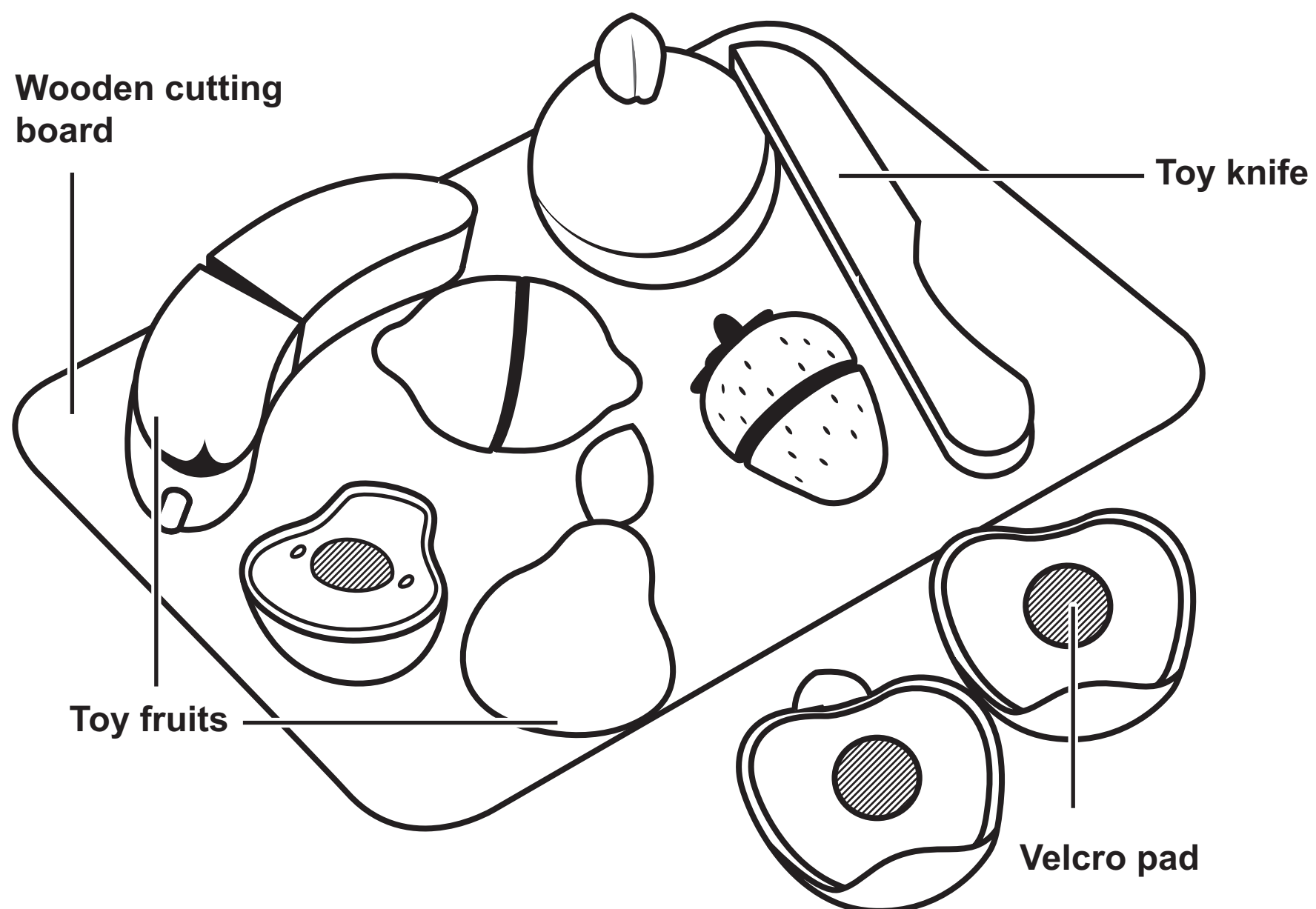
Diagram not to scale



Question 5(a) – outline diagram

Question 5(b)

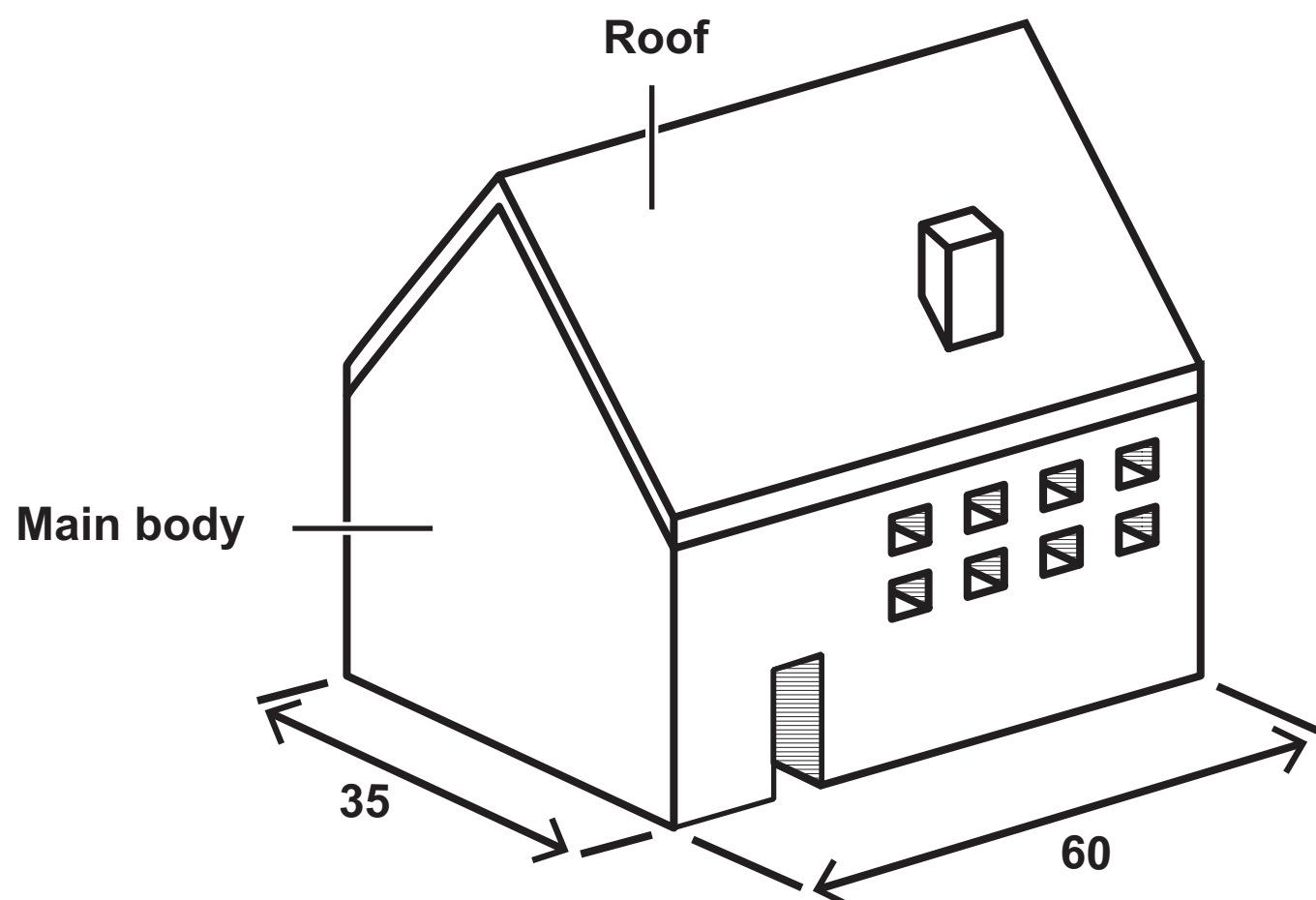
FIGURE 10



Question 6 – not to scale

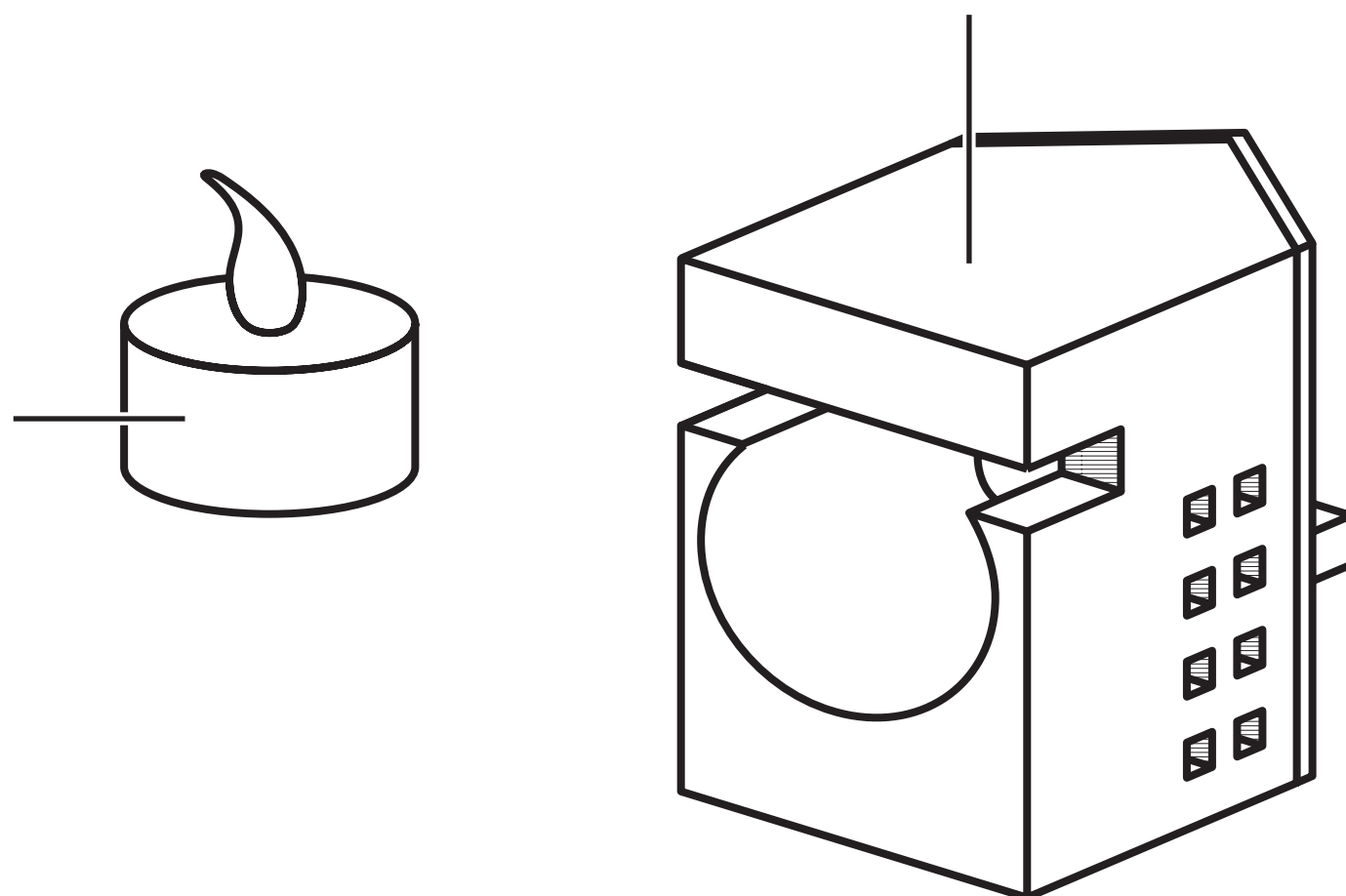
All dimensions in mm

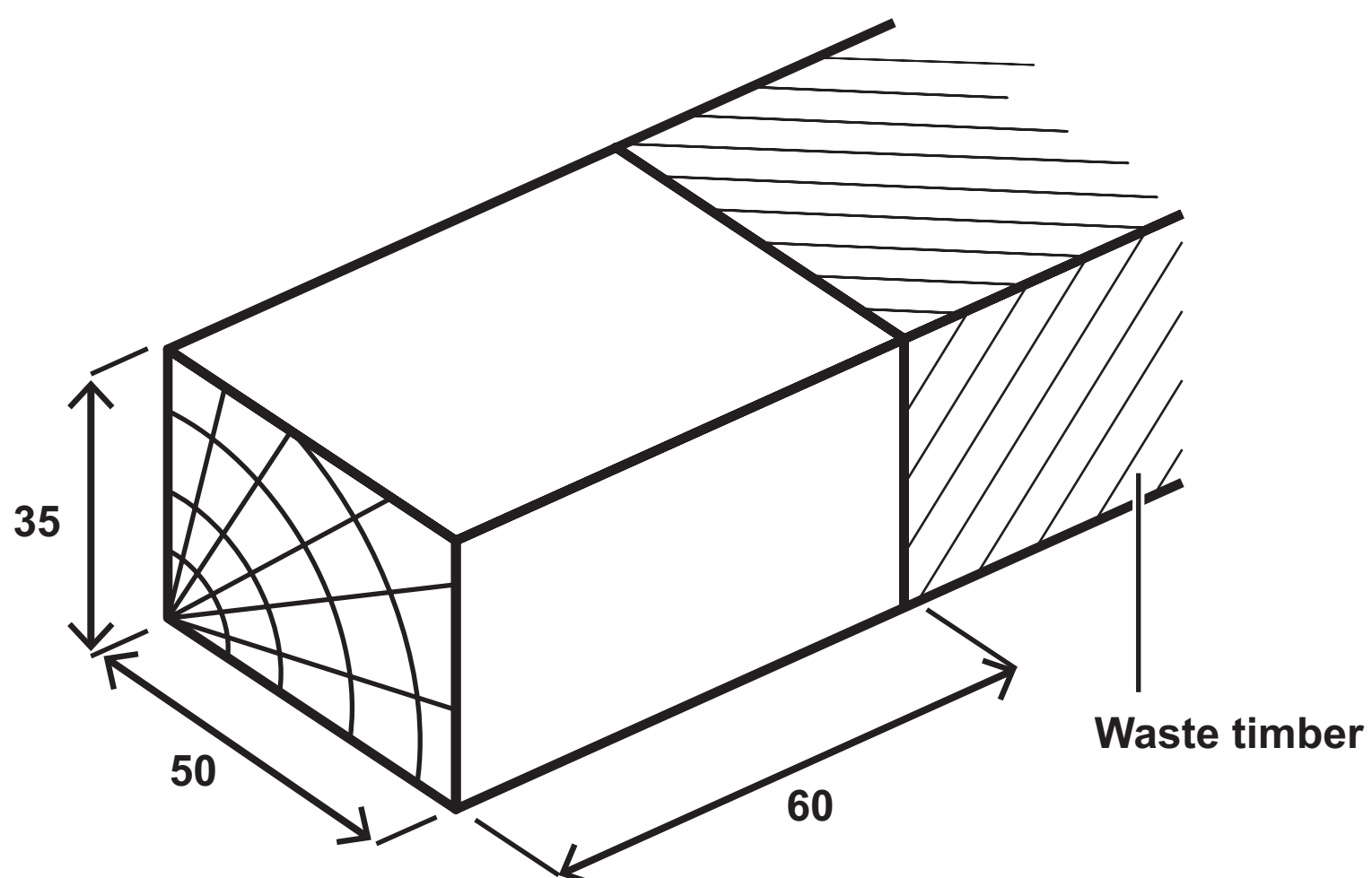
FIGURE 11



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

Battery-powered candle

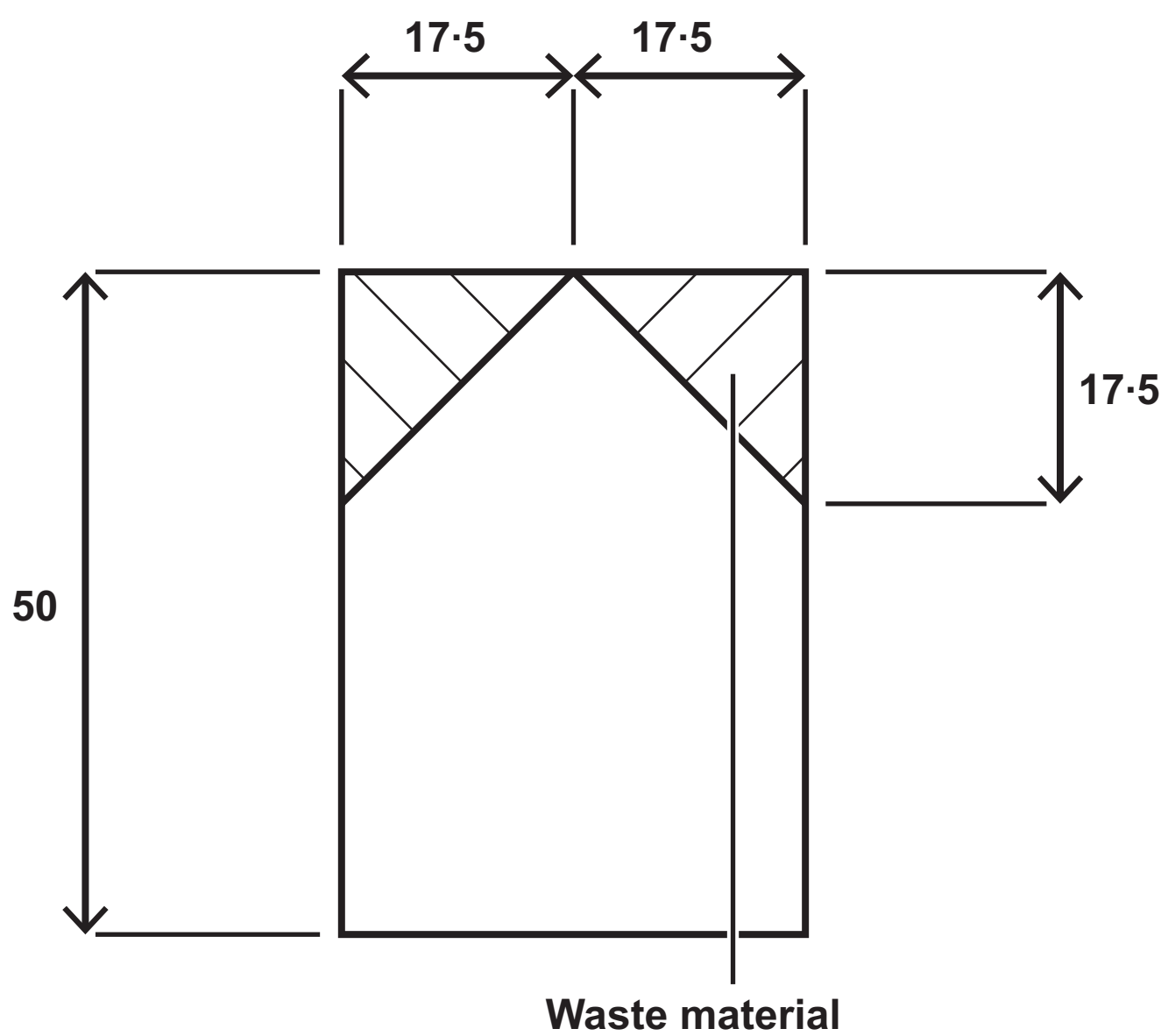


Question 6(b) – not to scale**All dimensions in mm****FIGURE 12**

Question 6(d) – not to scale

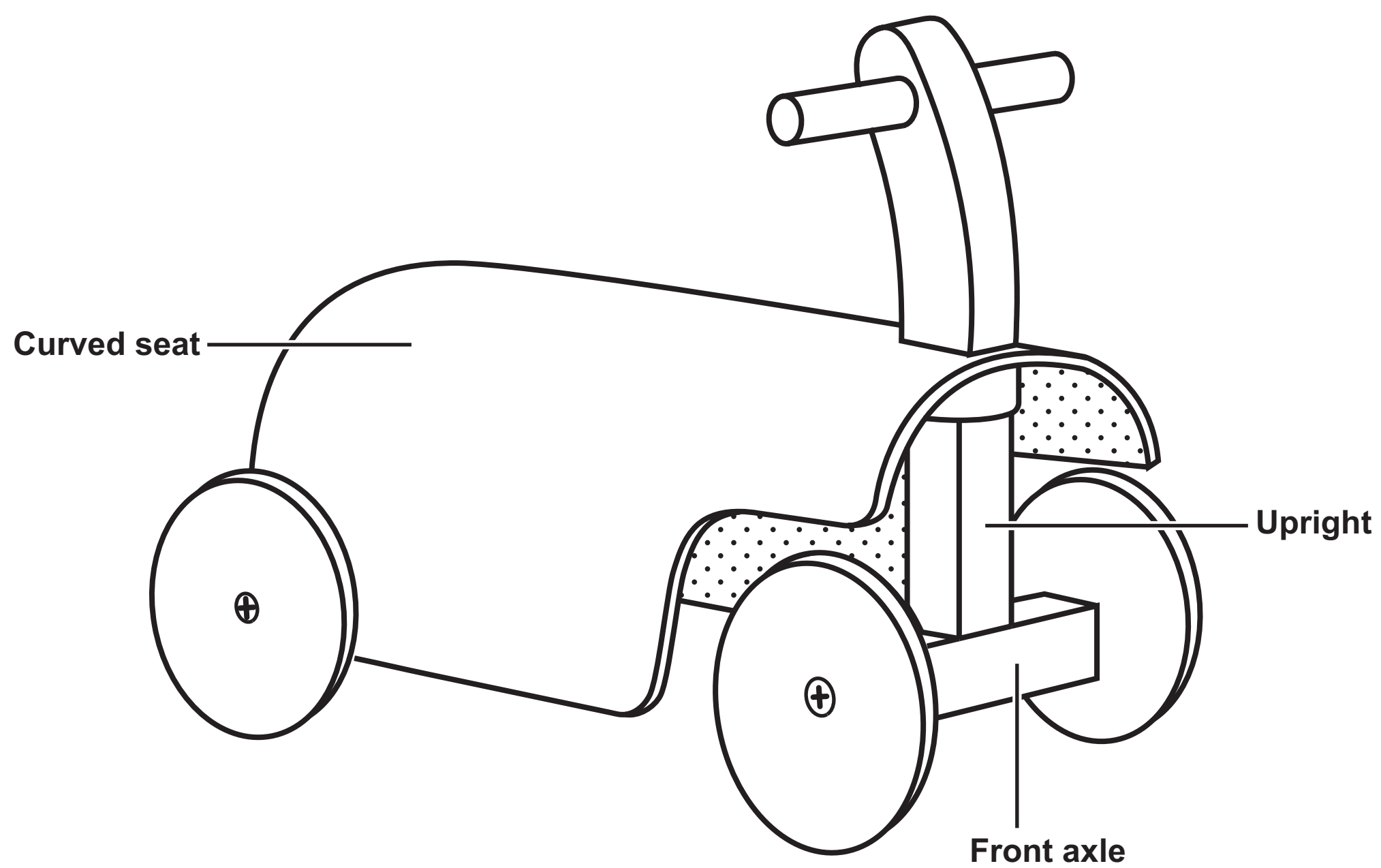
All dimensions in mm

FIGURE 13



Question 7

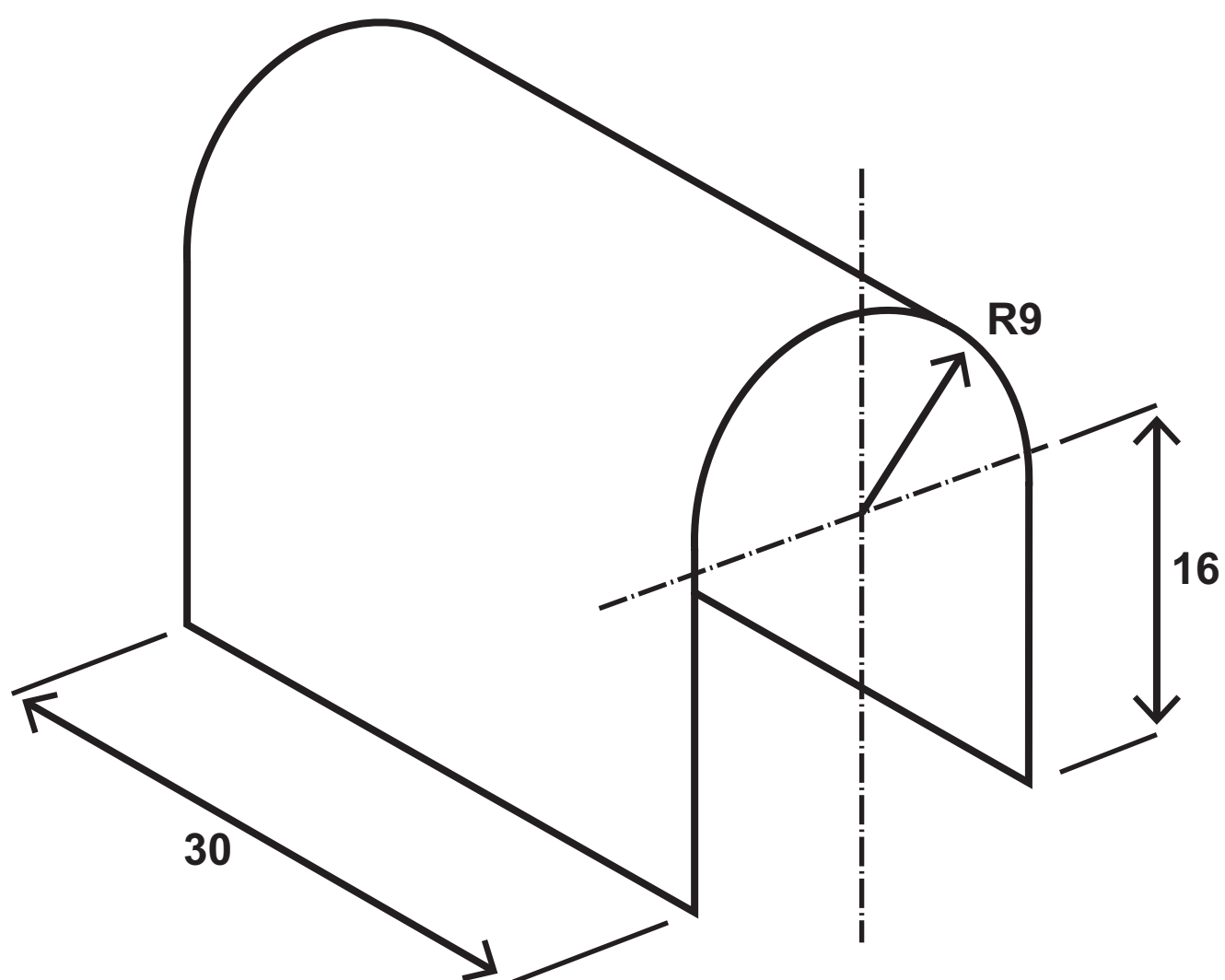
FIGURE 14



Question 7(c) – not to scale

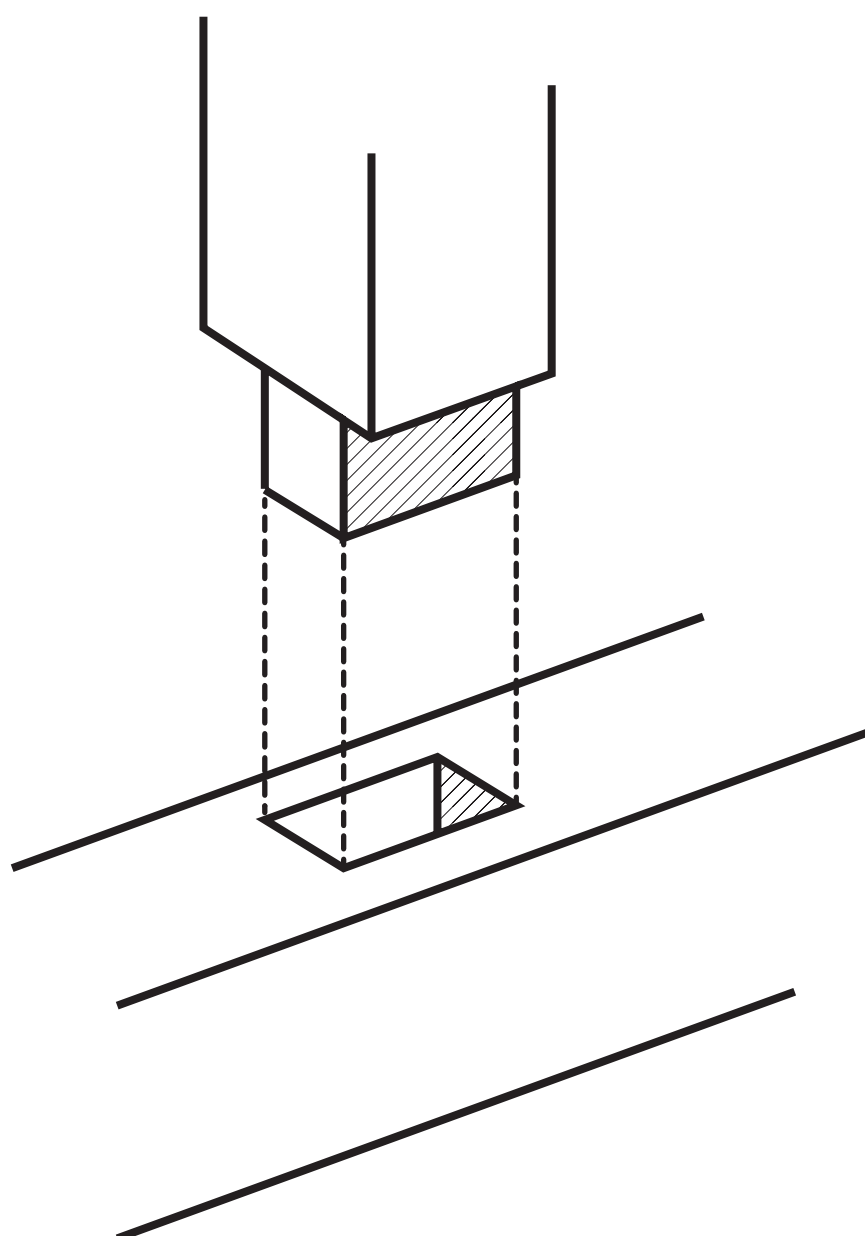
All dimensions in cm

FIGURE 15



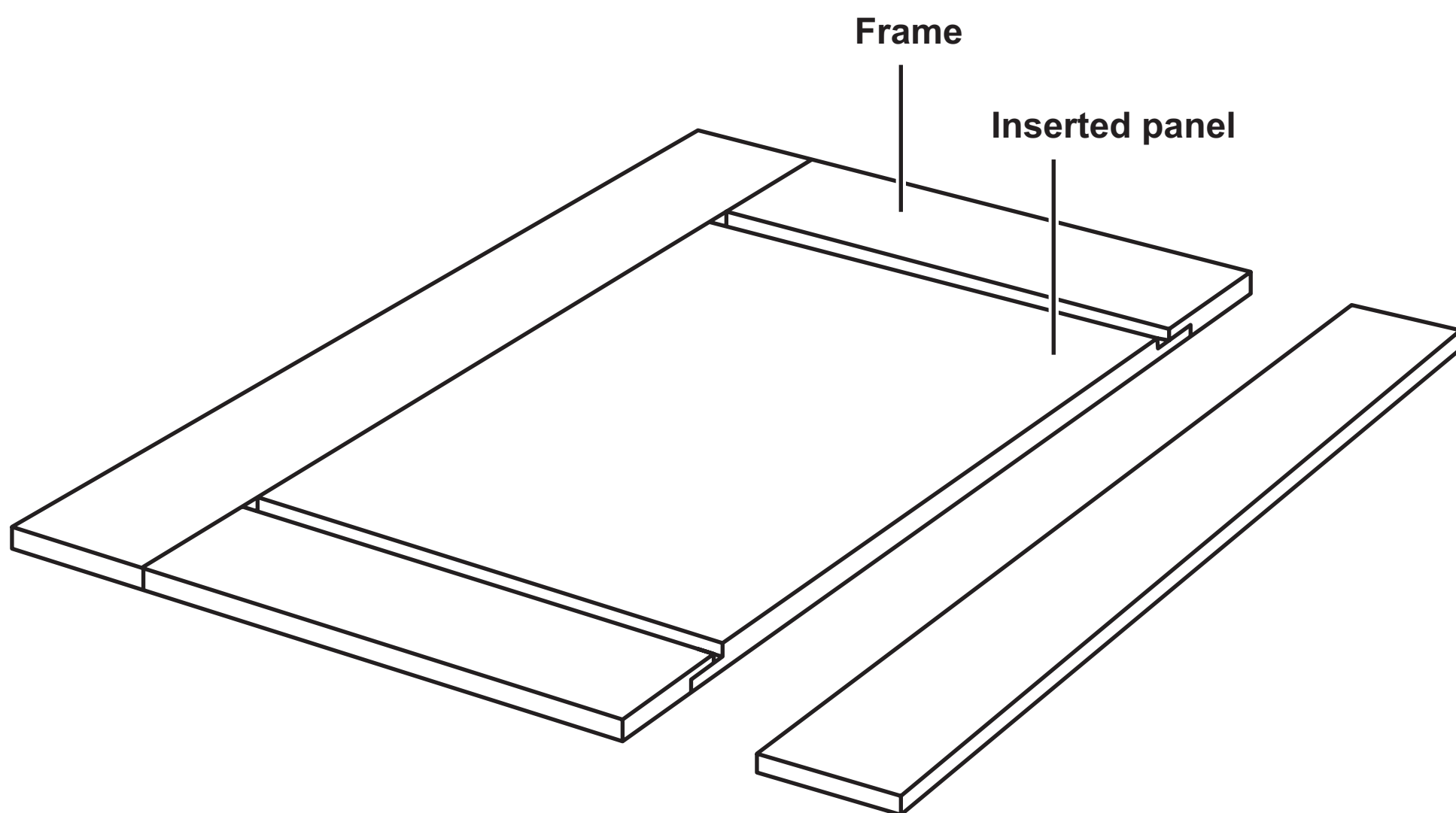
Question 7(d)

FIGURE 16



Question 8

FIGURE 17



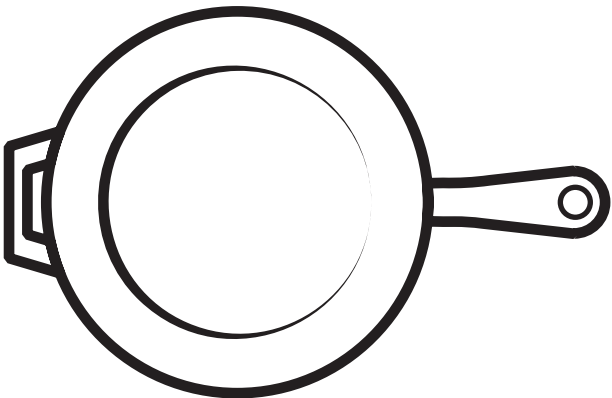
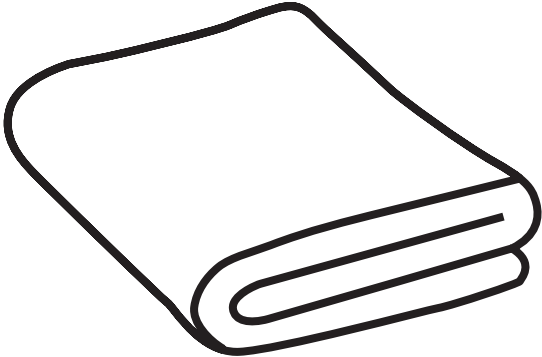
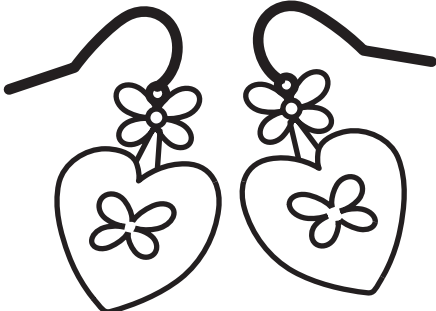

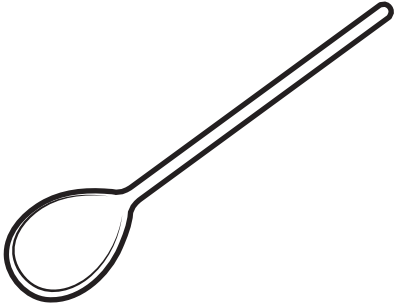
Question 8(d)

FIGURE 18

Source of MDF	USA
Country of manufacture	United Kingdom
Potential market	Houses, restaurants and hotels
Scale of production	Batch

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)

Question 2(d)

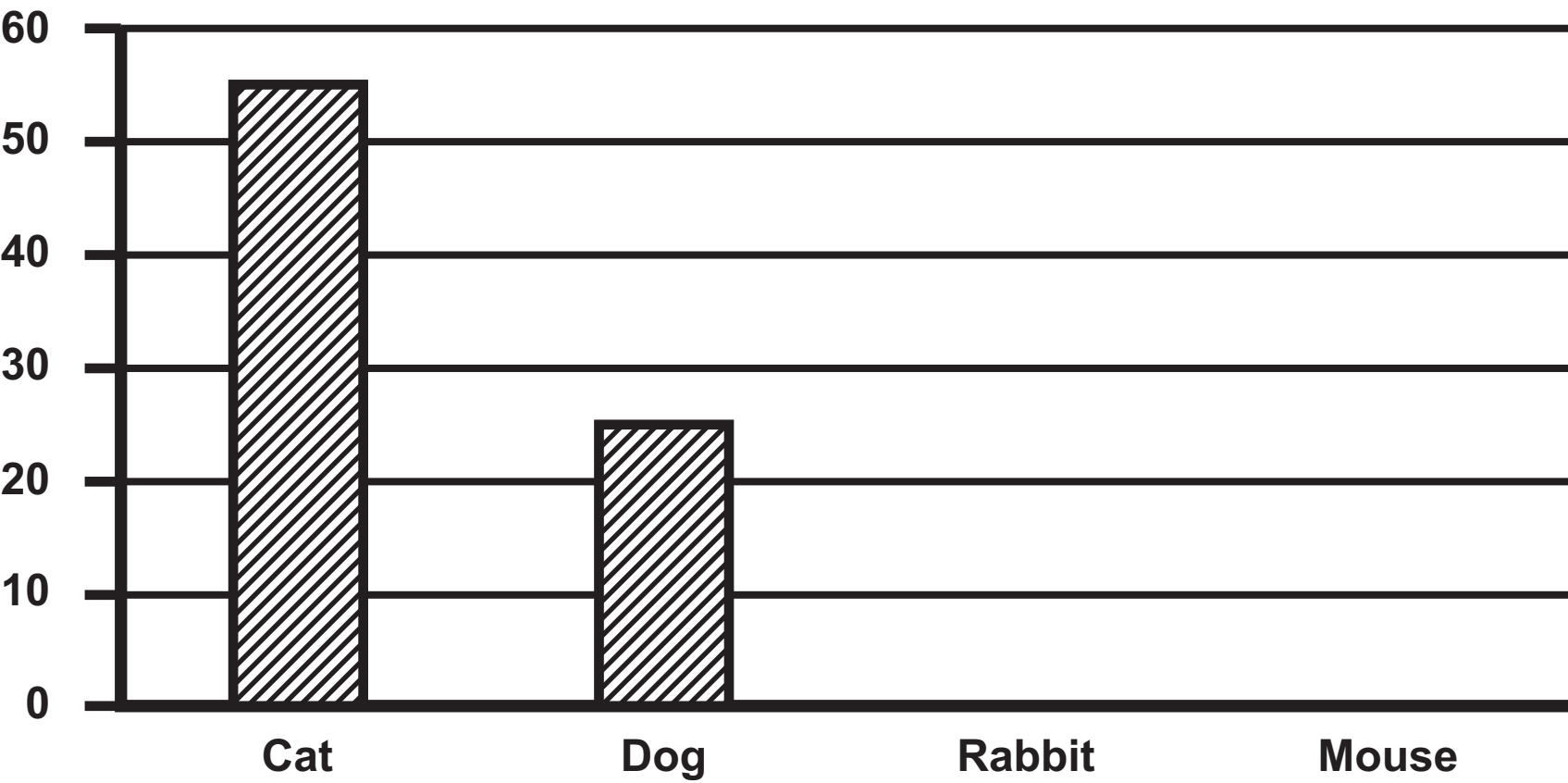
FIGURE 3

Animal	Number of votes	Percentage of votes (%)
Cat	165	55
Dog	75	25
Rabbit	_____	15
Mouse	_____	5
TOTAL	300	100

Question 2(d)(ii)

FIGURE 4

Percentage of votes cast



Question 5(a) – outline diagram