

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.

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Spare Copies

23 Question 1(a)

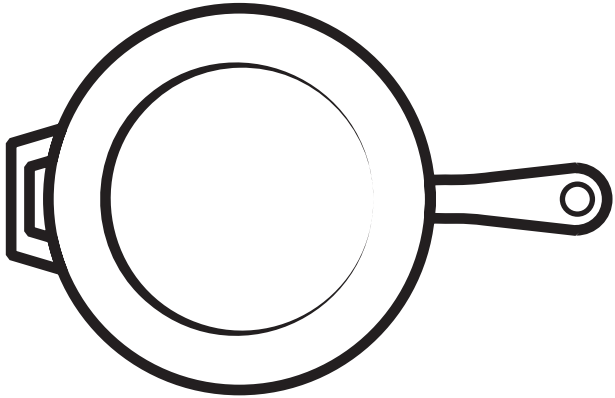
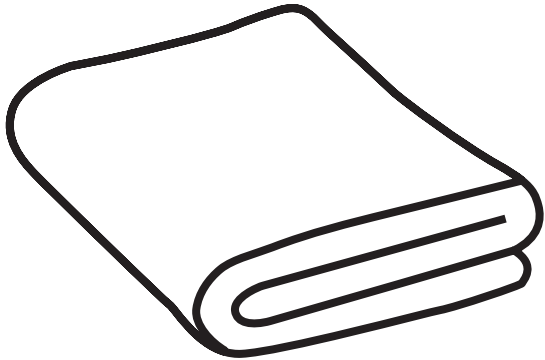
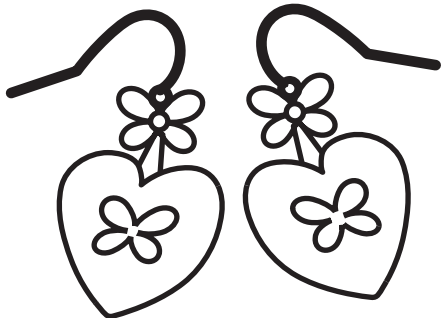

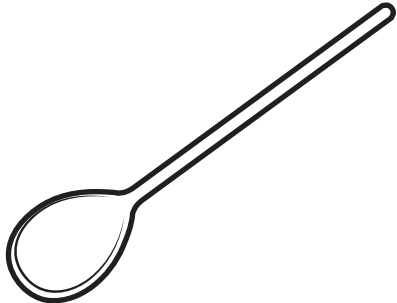
24 Question 2(d)

25 Question 2(d)(ii)

26 Question 5(a) – outline diagram

Question 1(a)

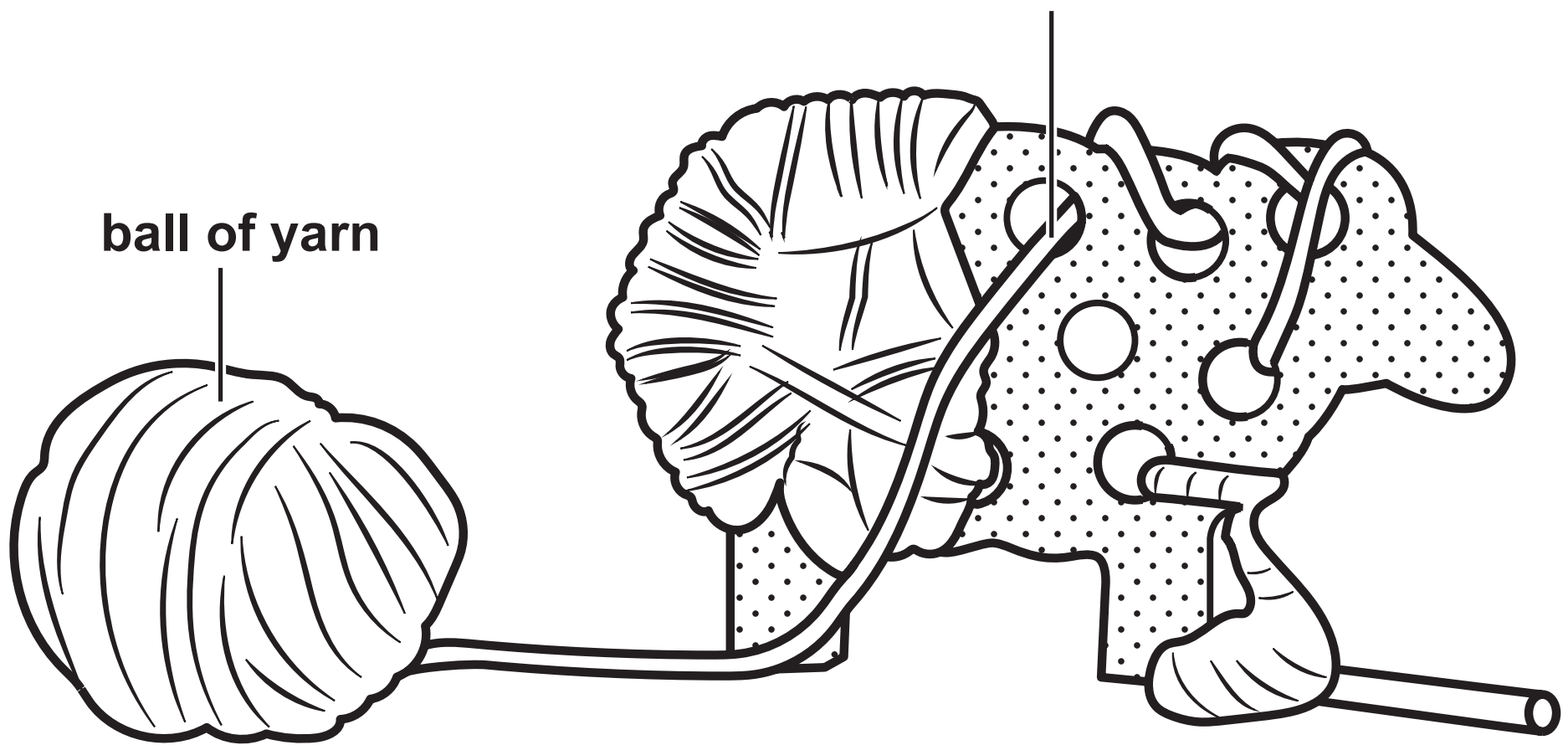
FIGURE 1

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

FIGURE 4

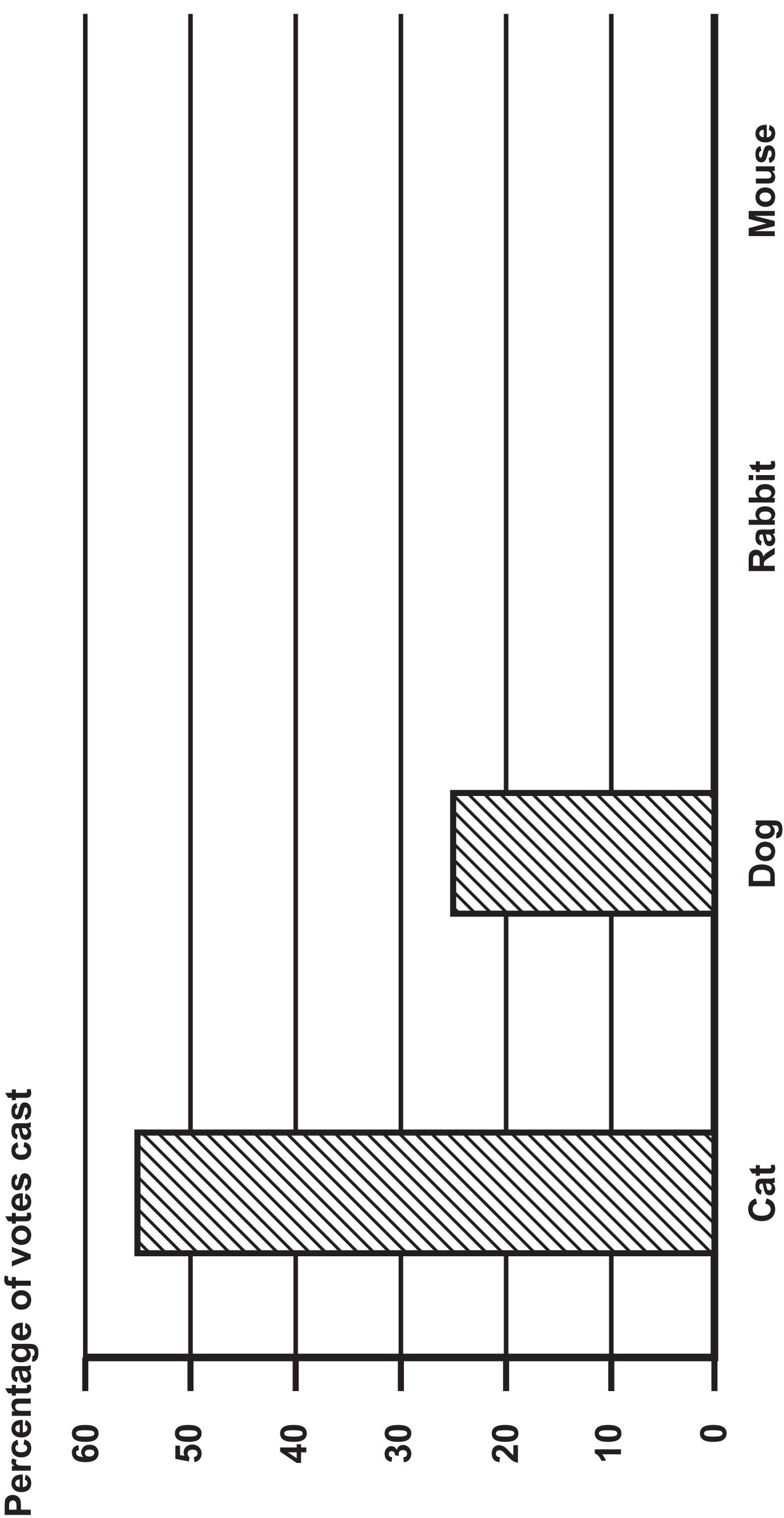
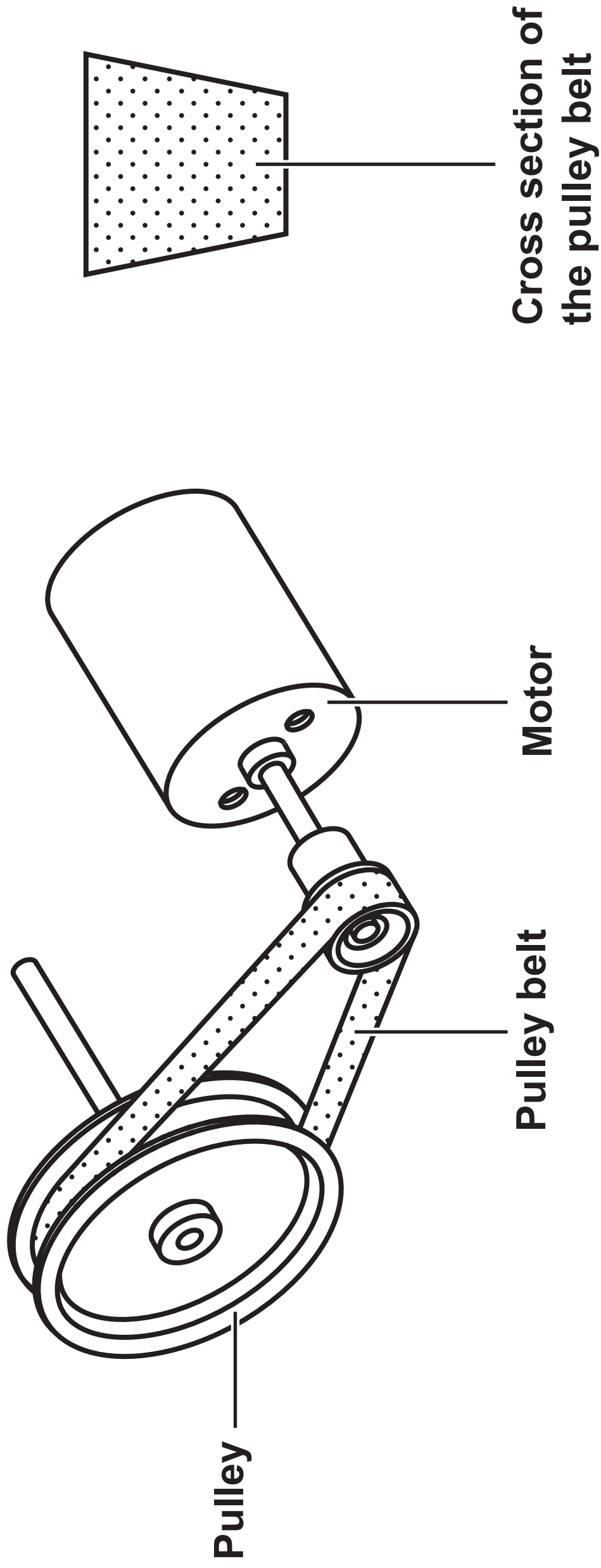
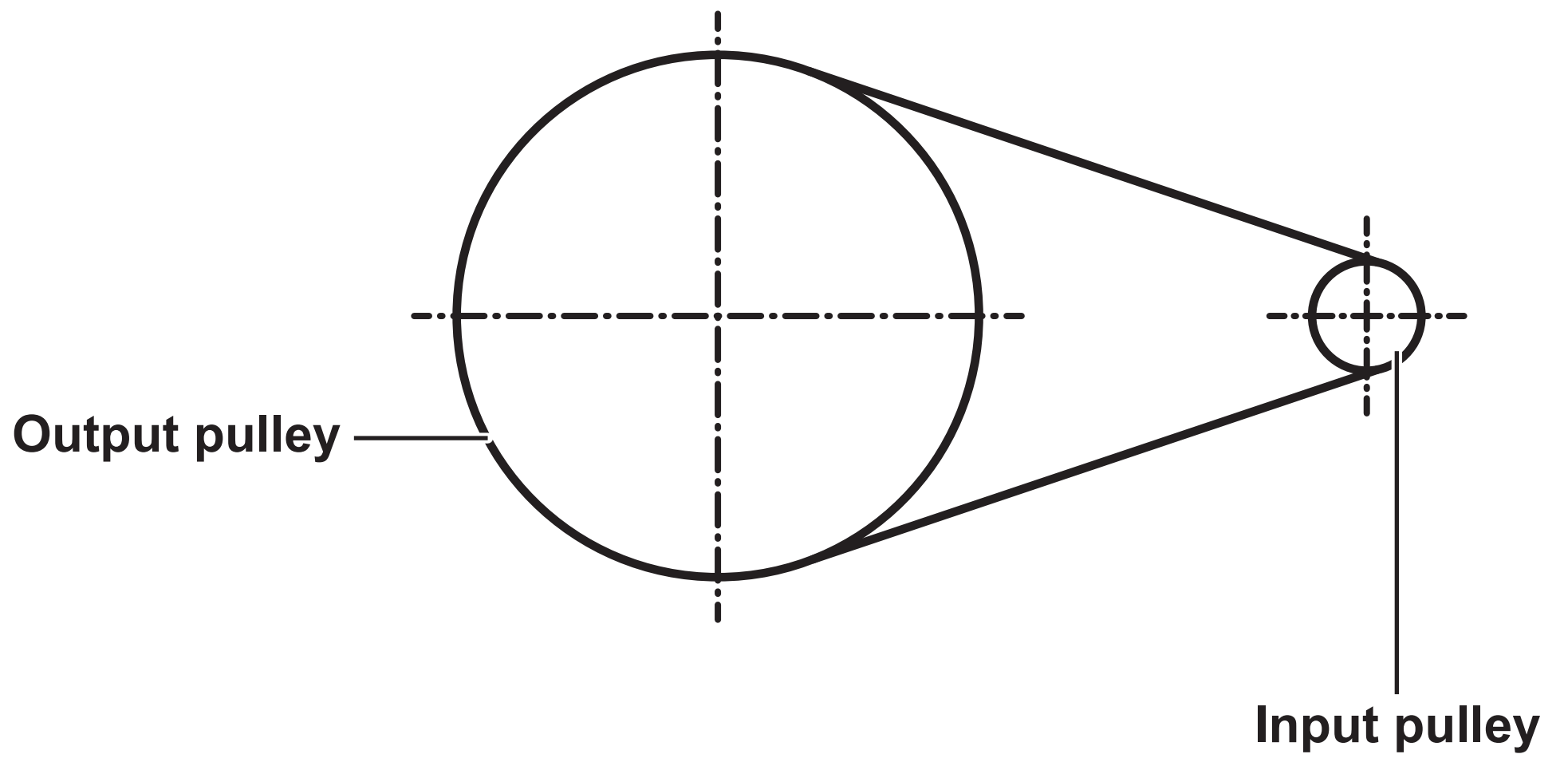


FIGURE 5



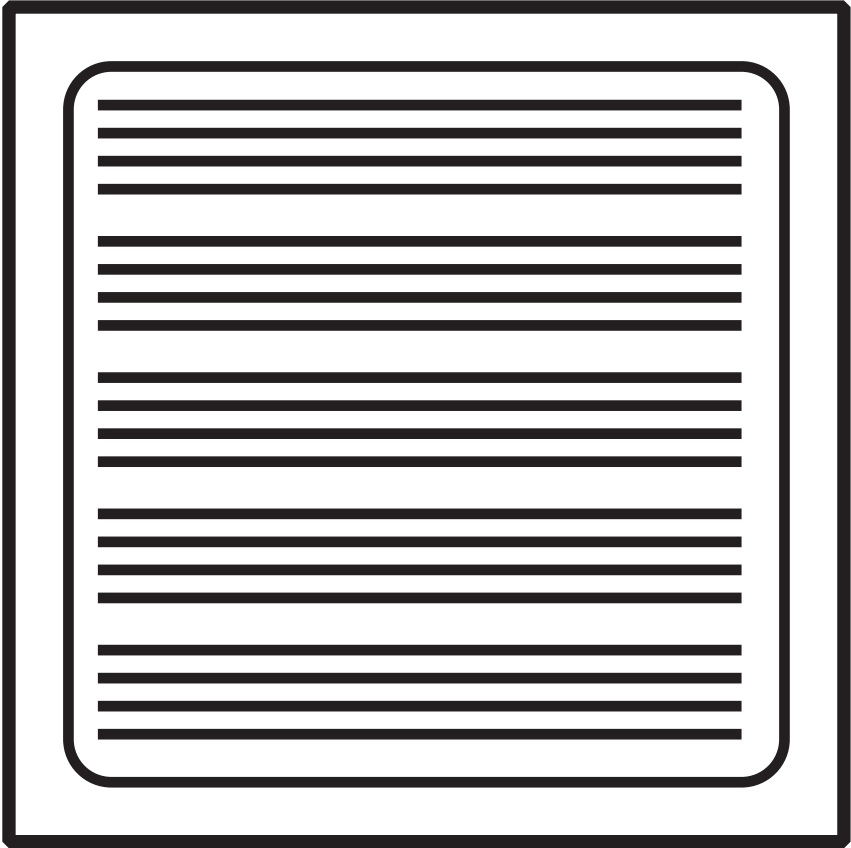
Question 3(c)

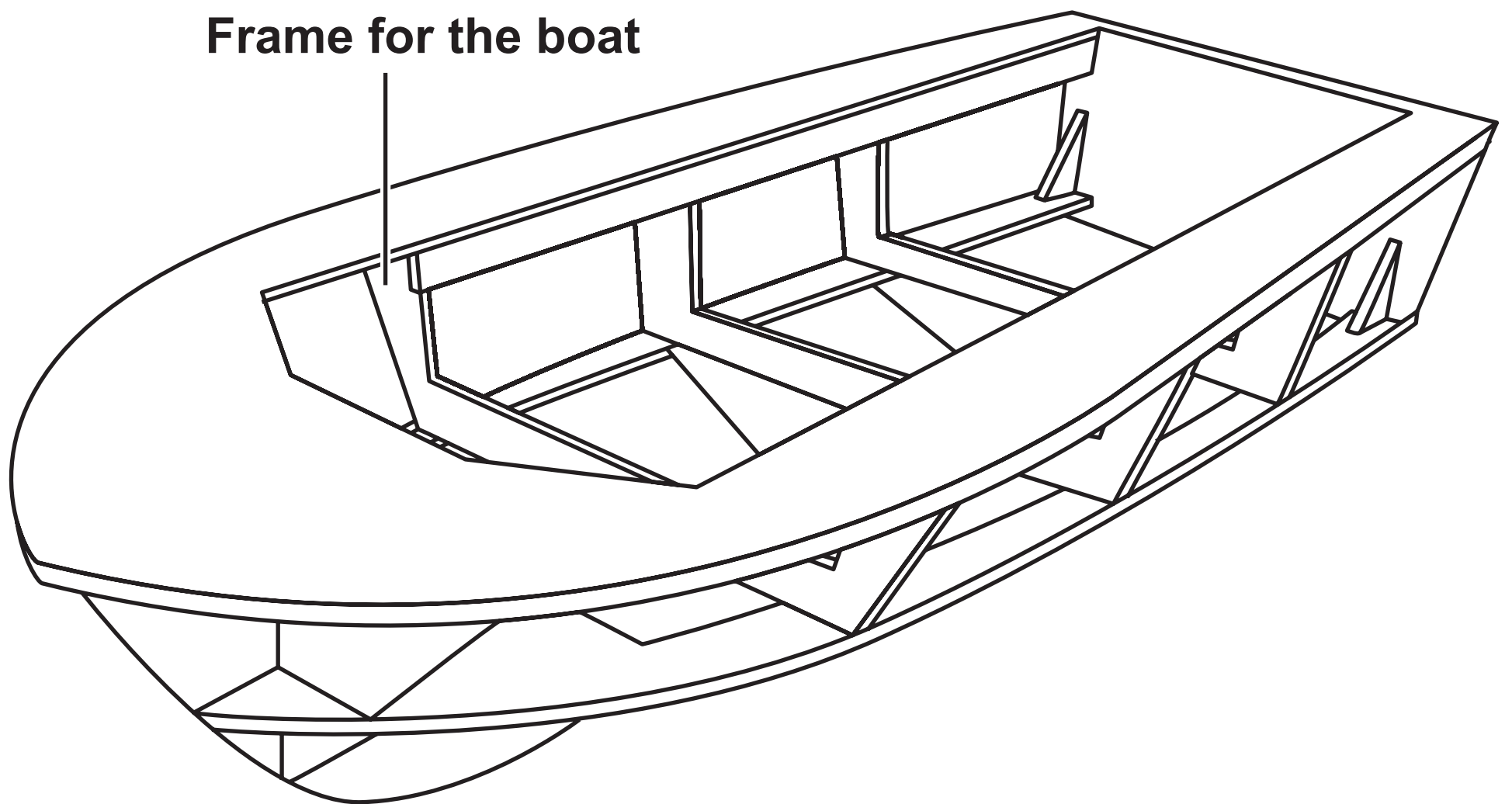
FIGURE 6



Question 3(d)

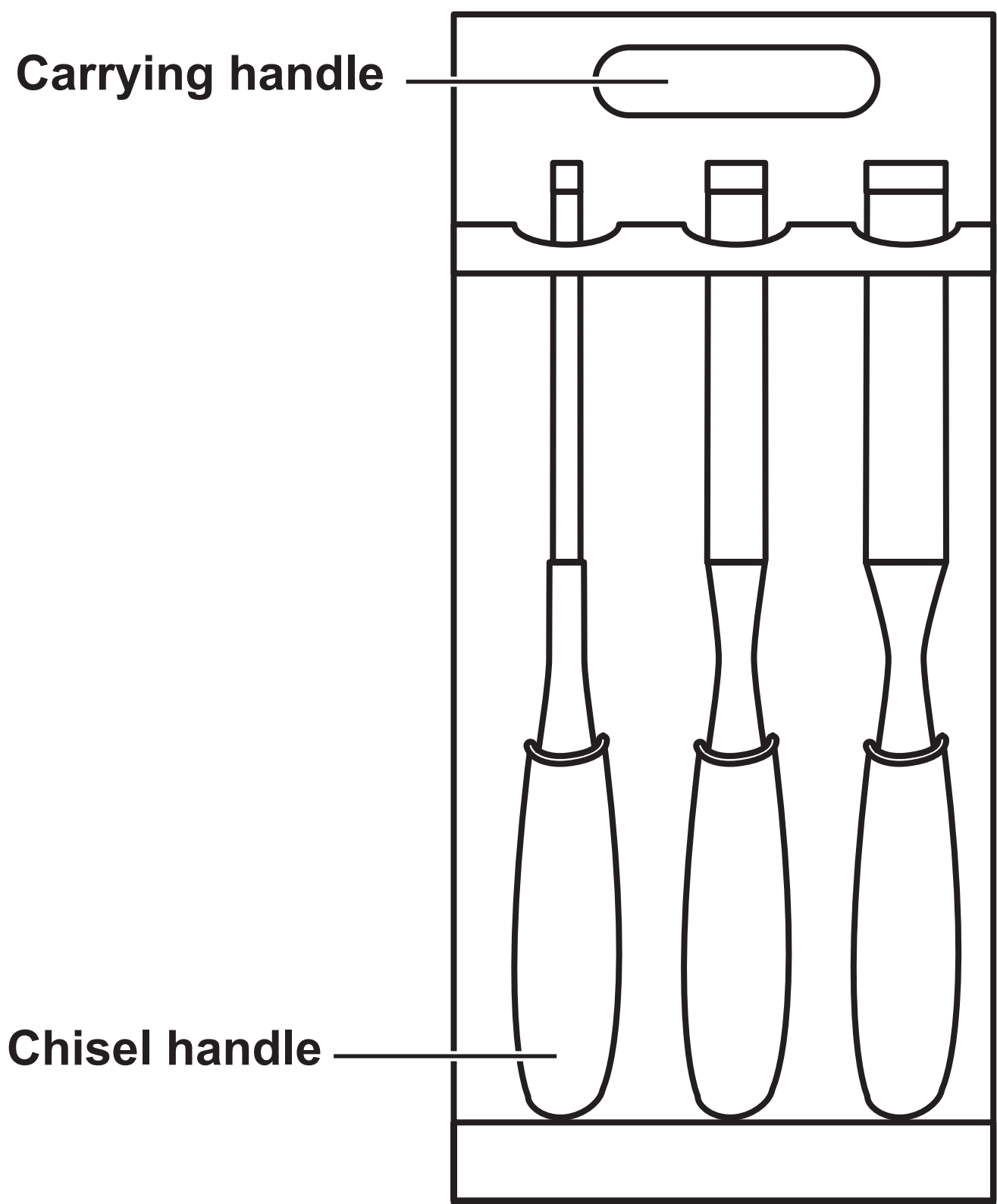
FIGURE 7



Question 3(e)**FIGURE 8**

Question 5 – not to scale

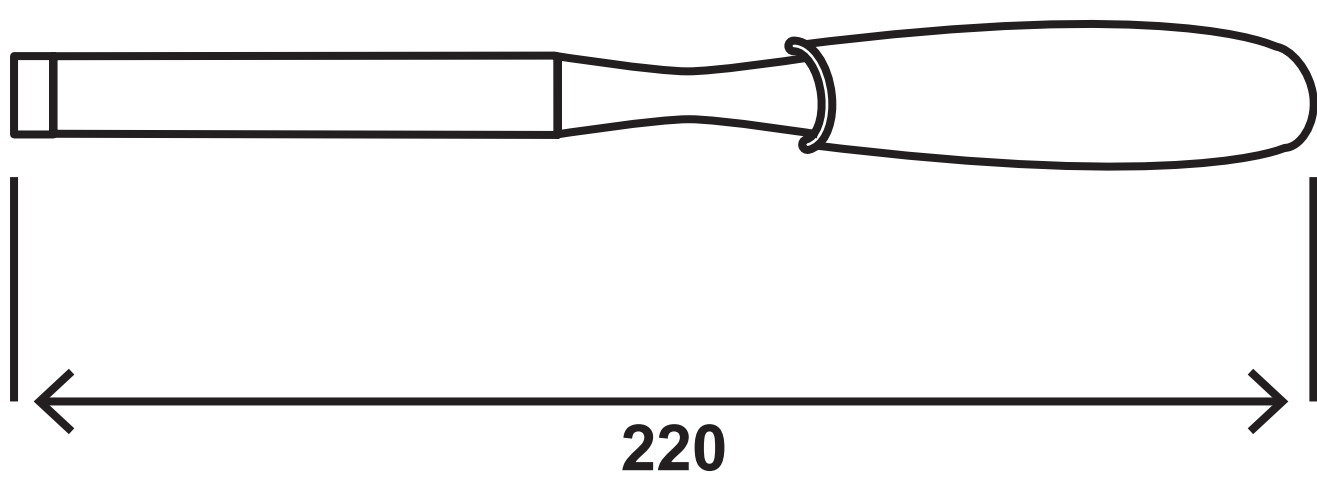
FIGURE 9



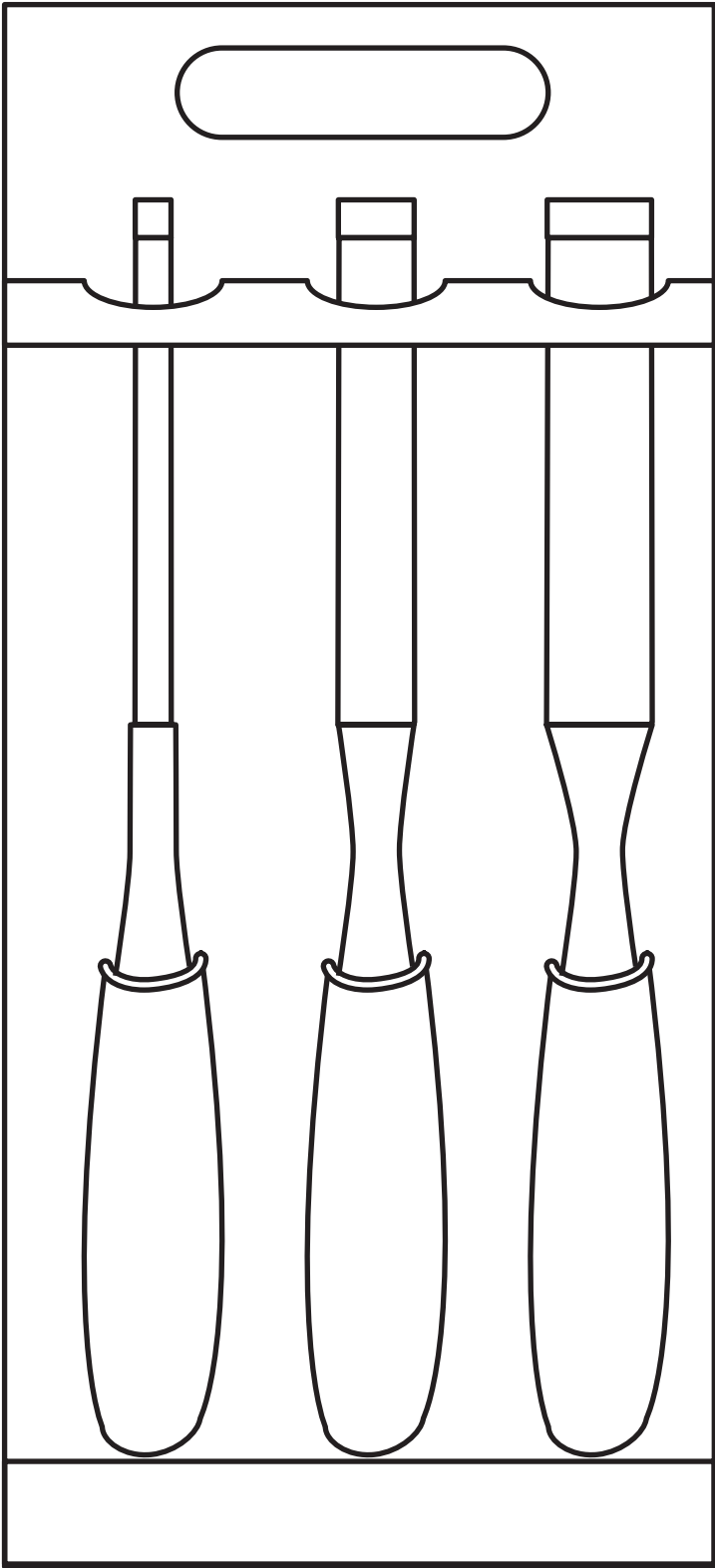
Additional information – dimensions of chisels

All dimensions in mm

Diagram not to scale

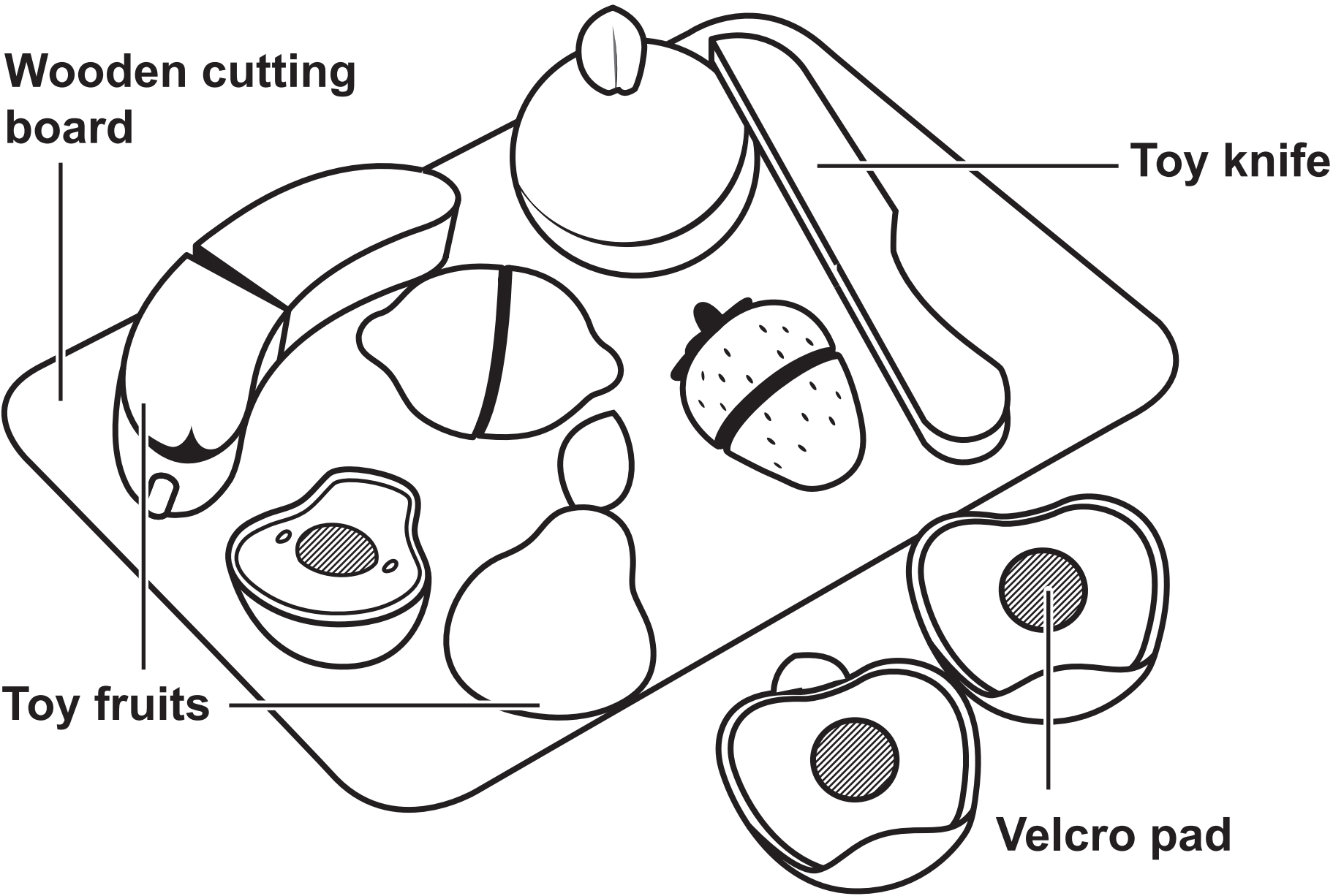


Question 5(a) – outline diagram



Question 5(b)

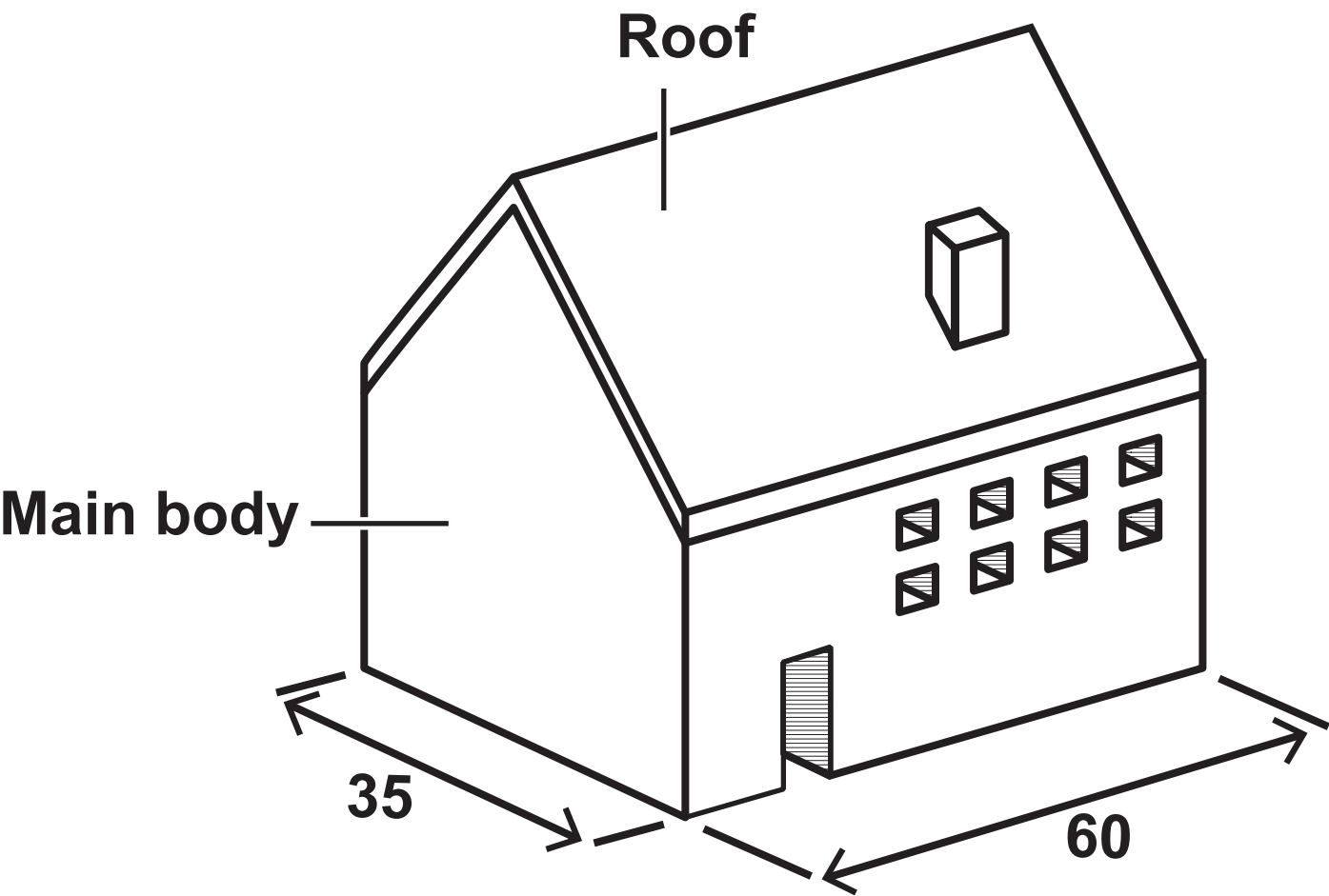
FIGURE 10



Question 6 – not to scale

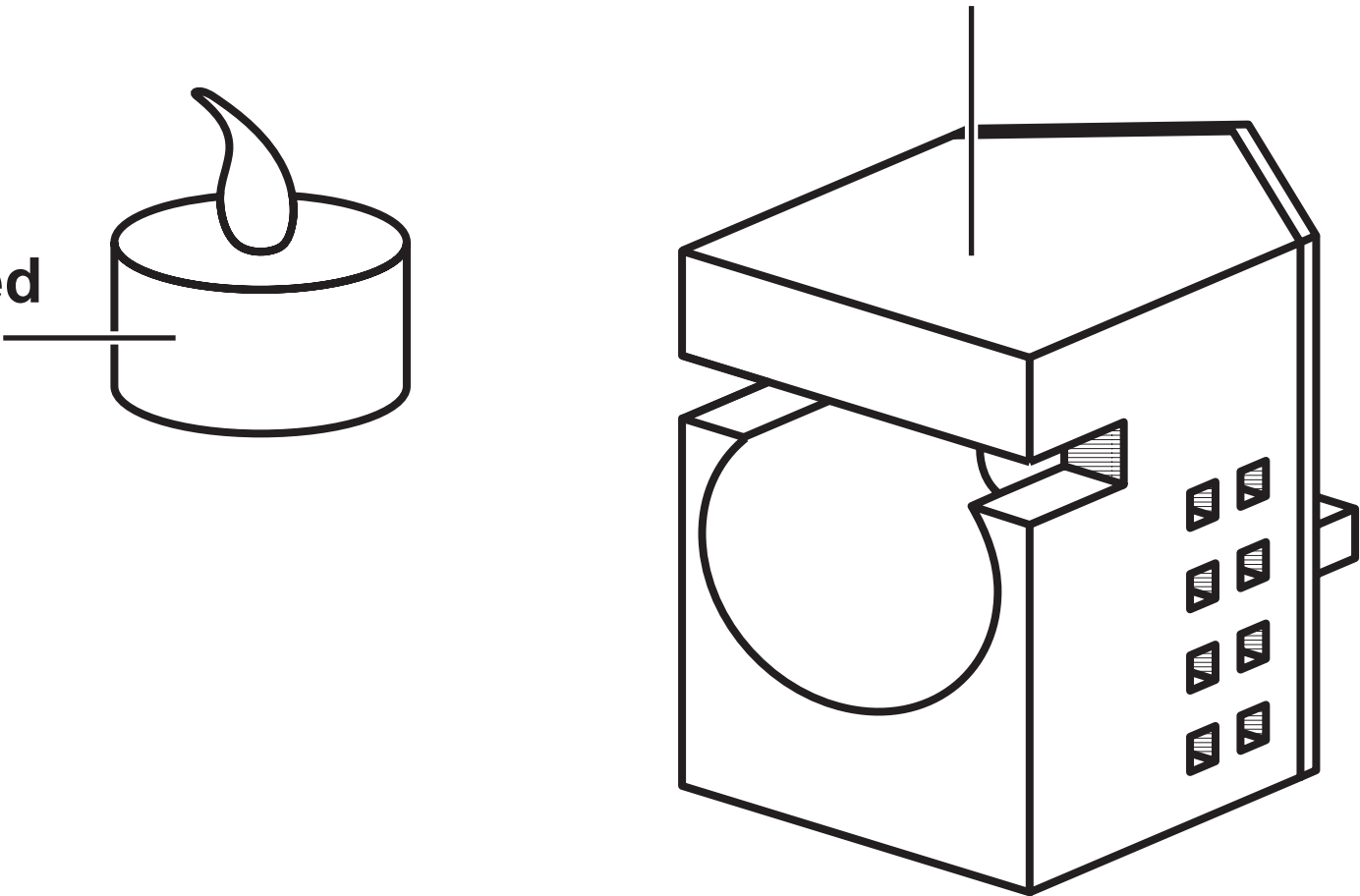
All dimensions in mm

FIGURE 11



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

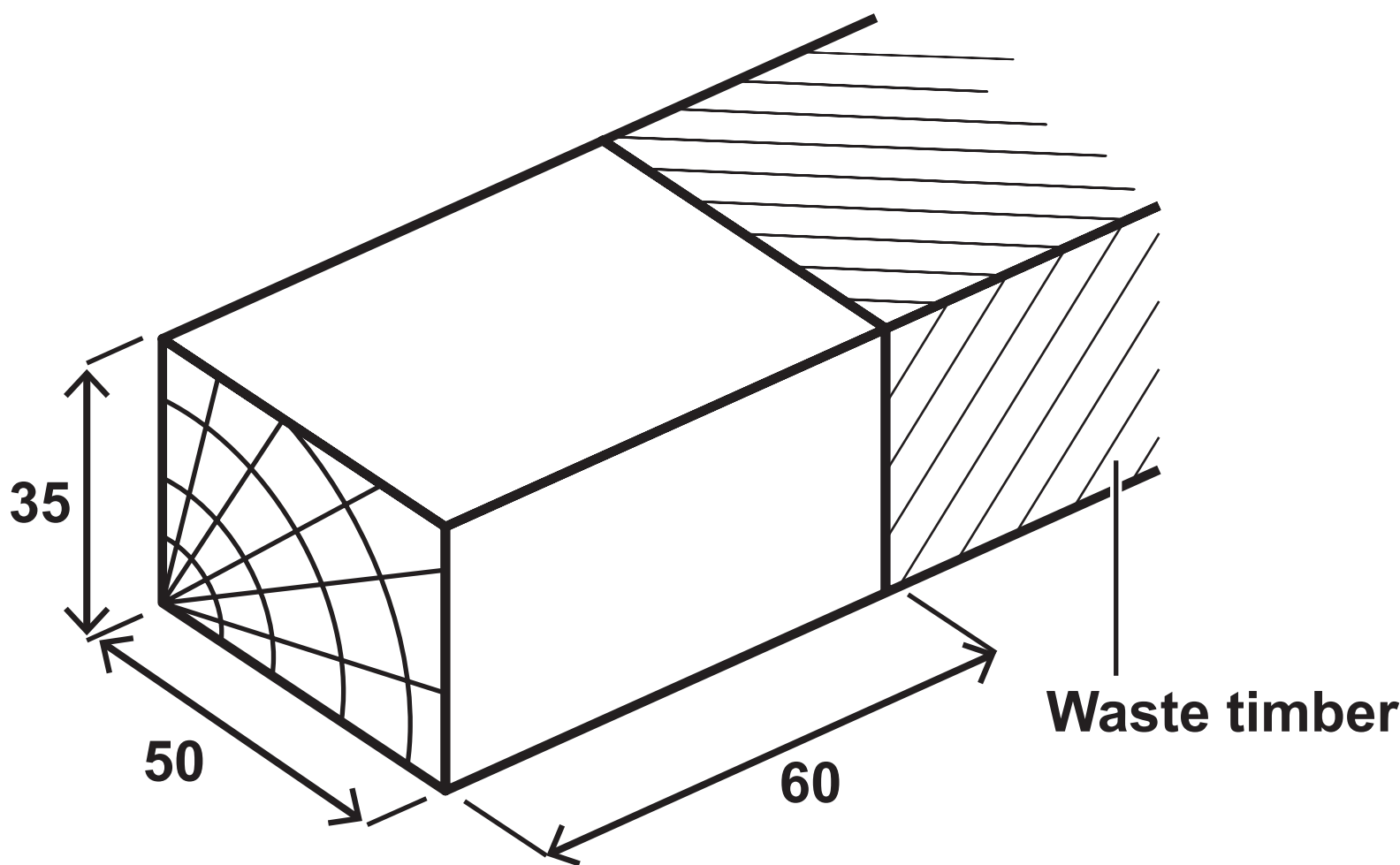
Battery-powered candle



Question 6(b) – not to scale

All dimensions in mm

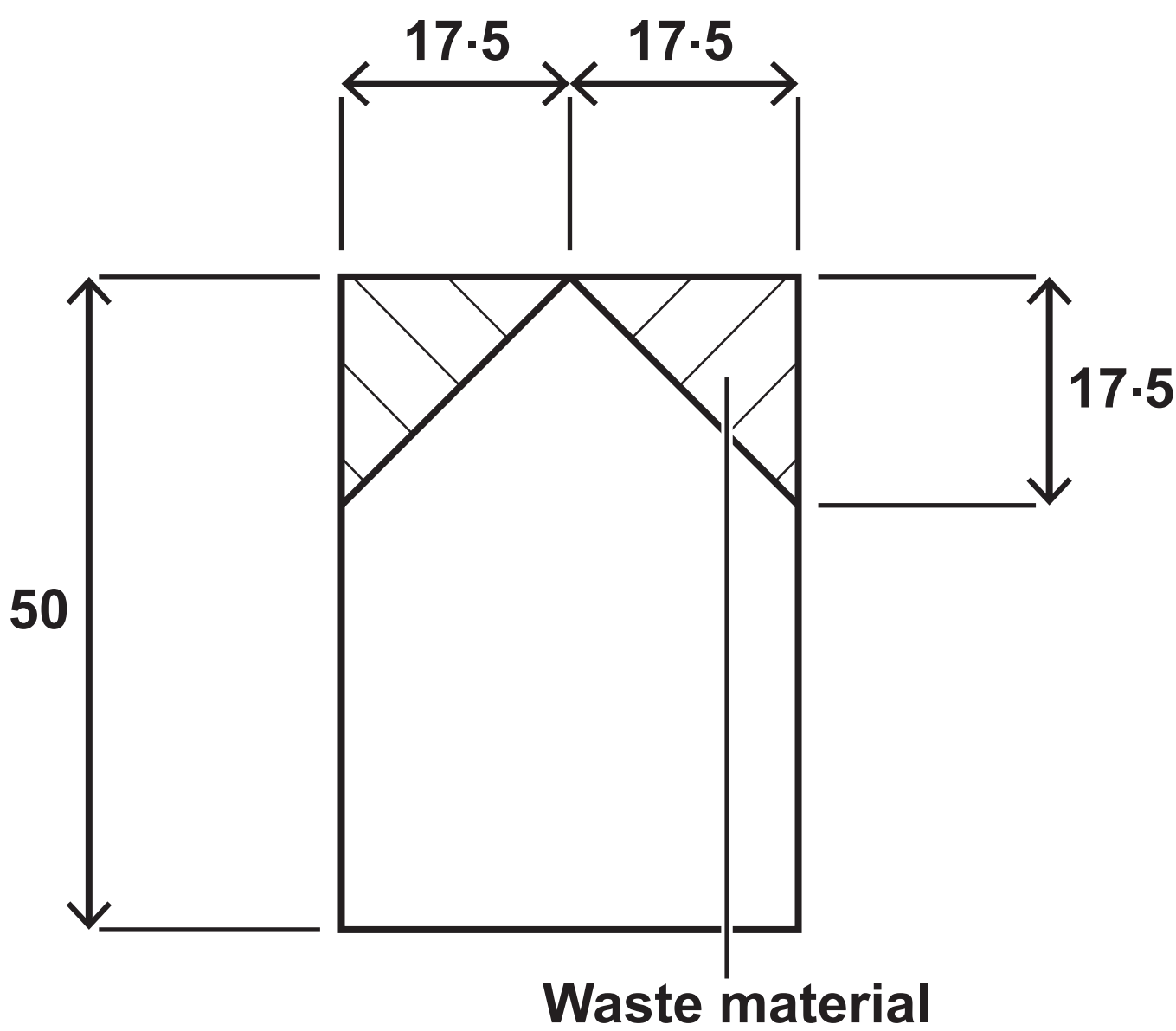
FIGURE 12



Question 6(d) – not to scale

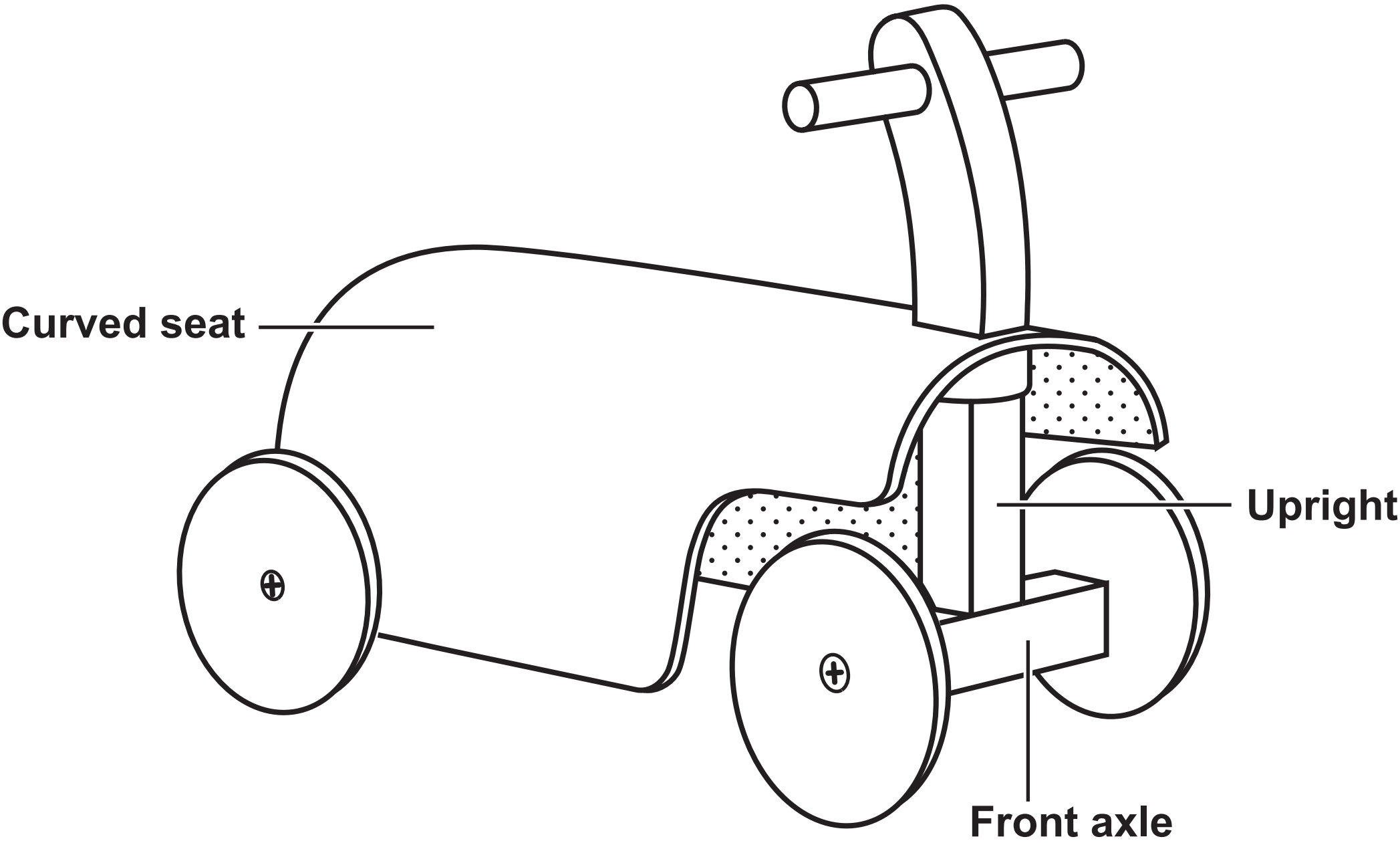
All dimensions in mm

FIGURE 13



Question 7

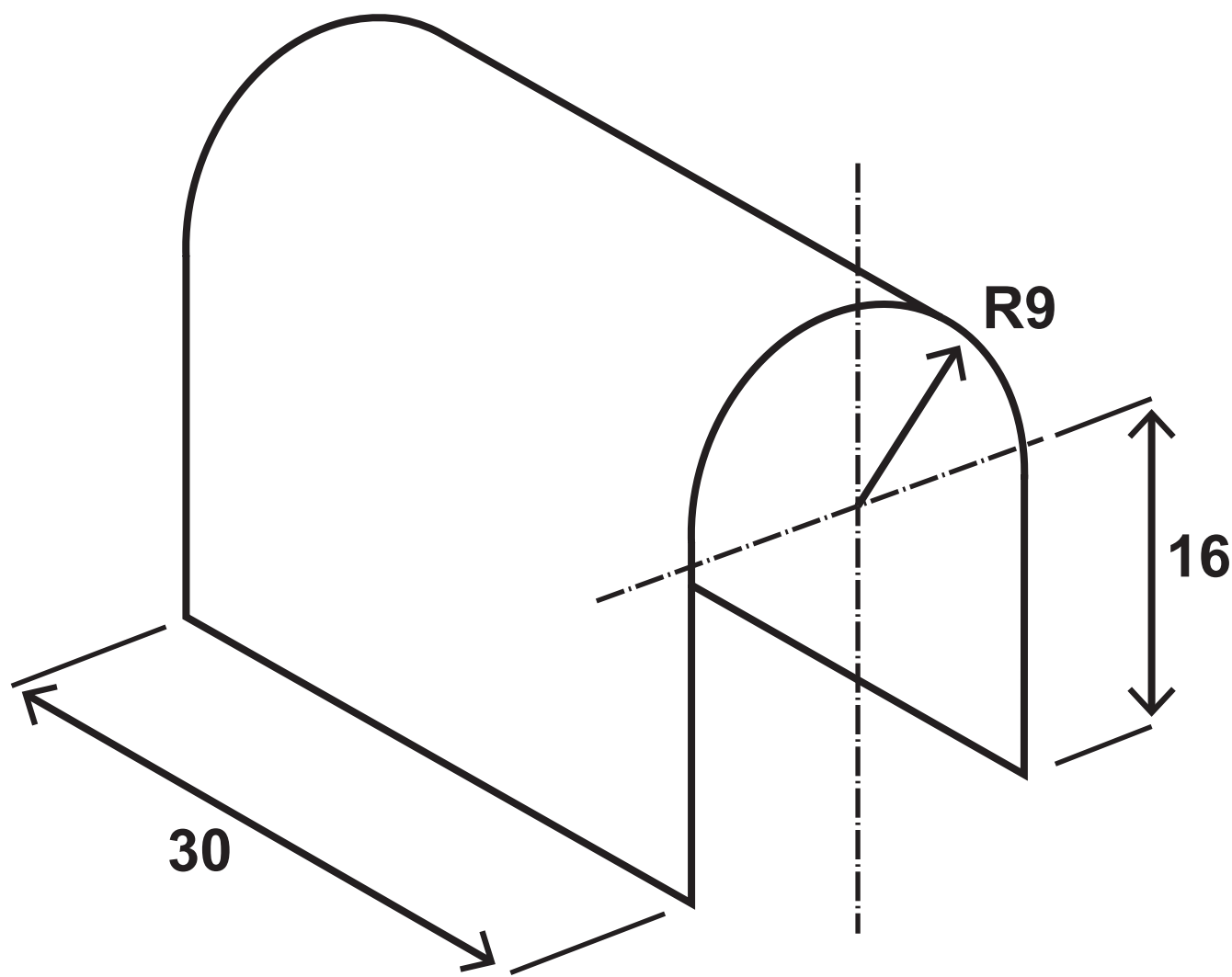
FIGURE 14



Question 7(c) – not to scale

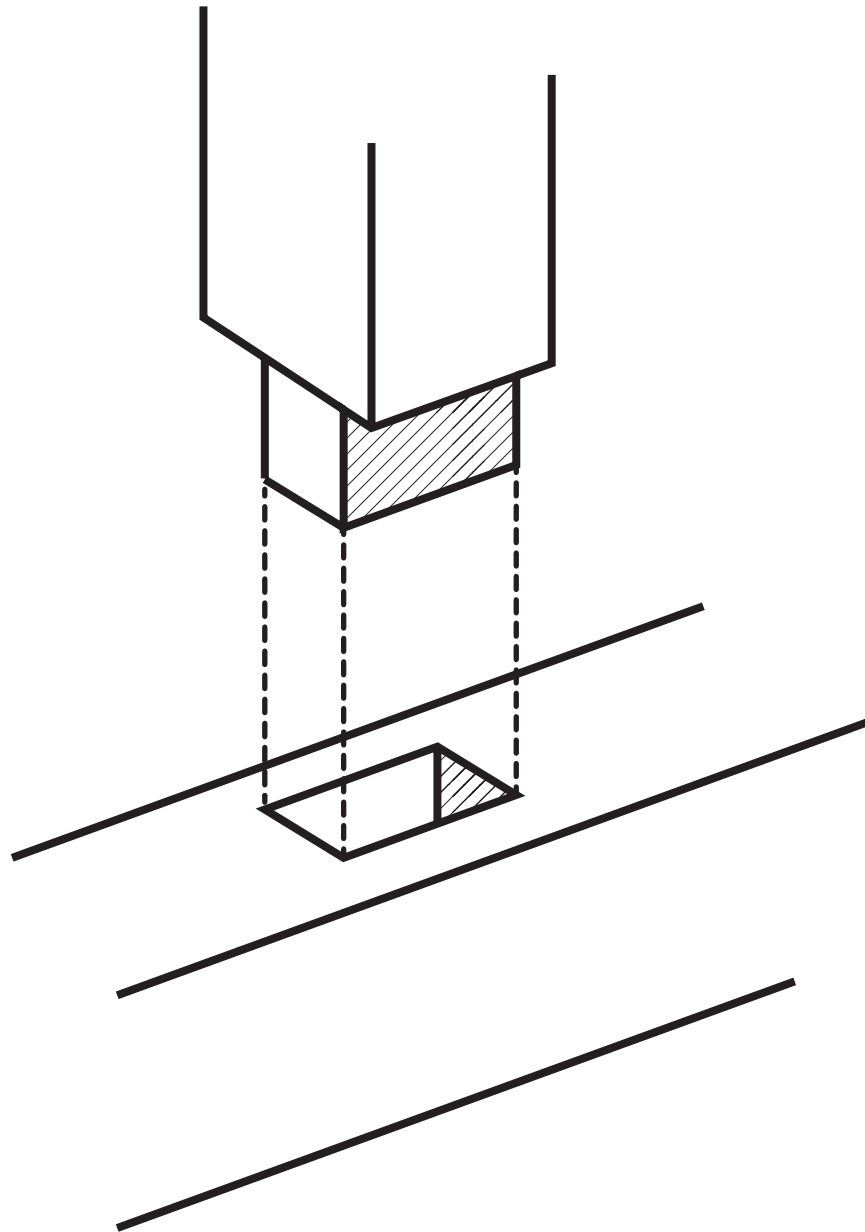
All dimensions in cm

FIGURE 15



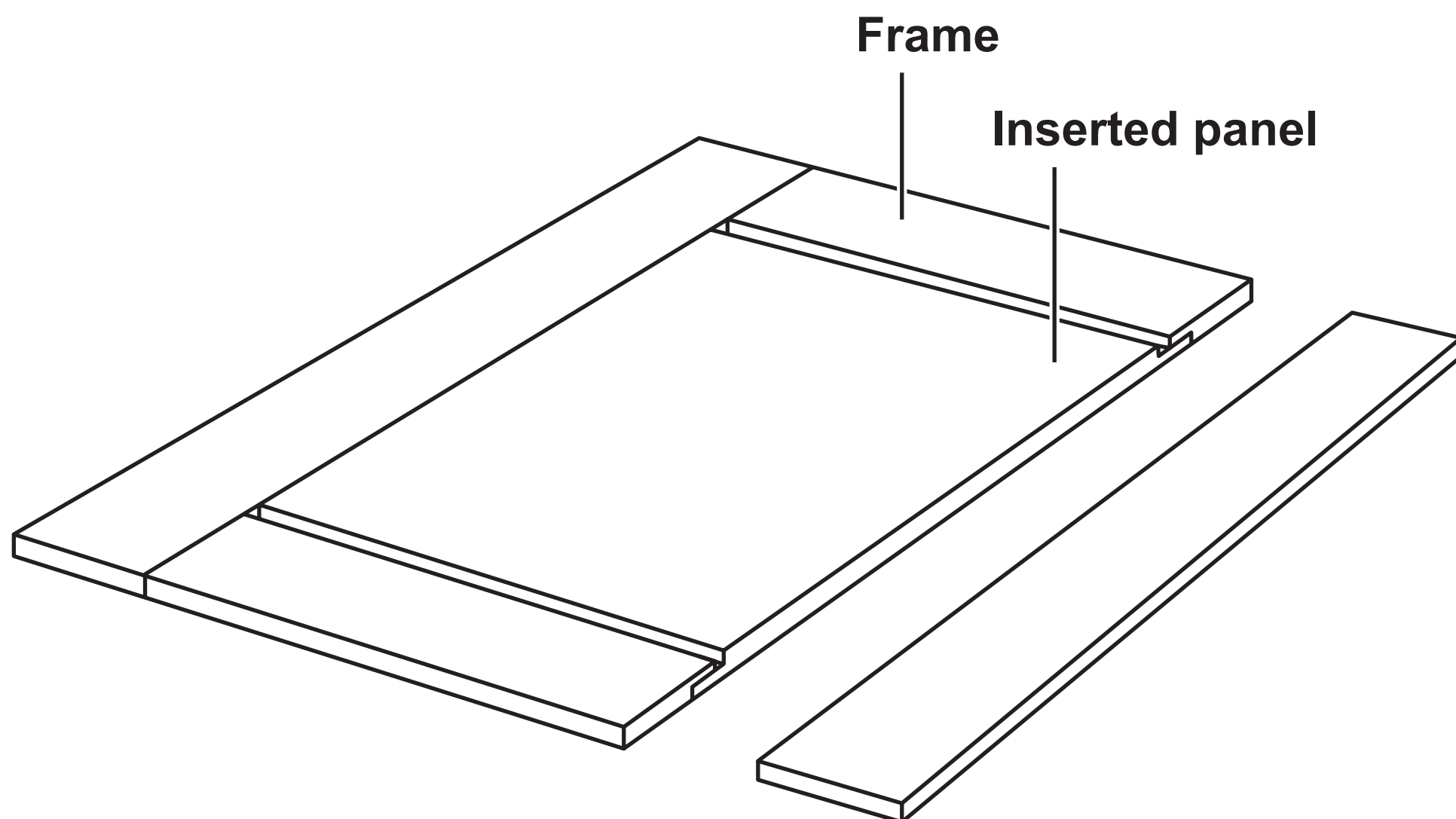
Question 7(d)

FIGURE 16



Question 8

FIGURE 17



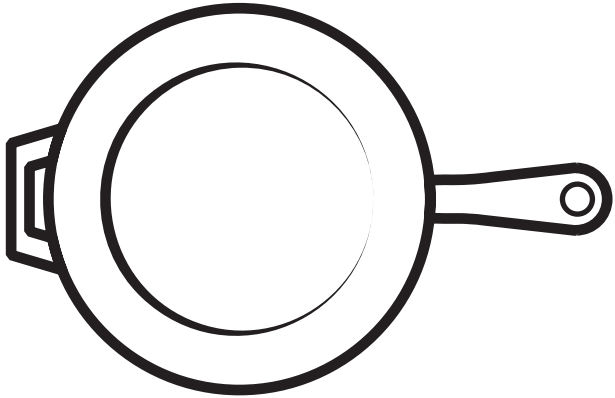
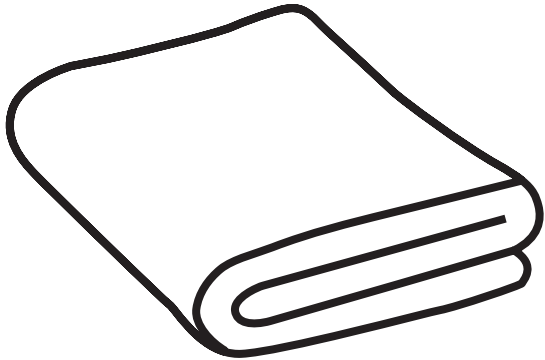
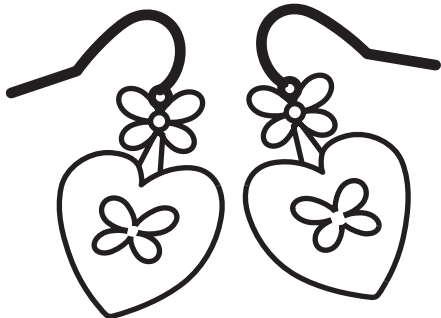

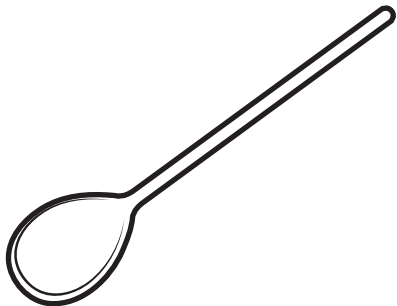
Question 8(d)

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)

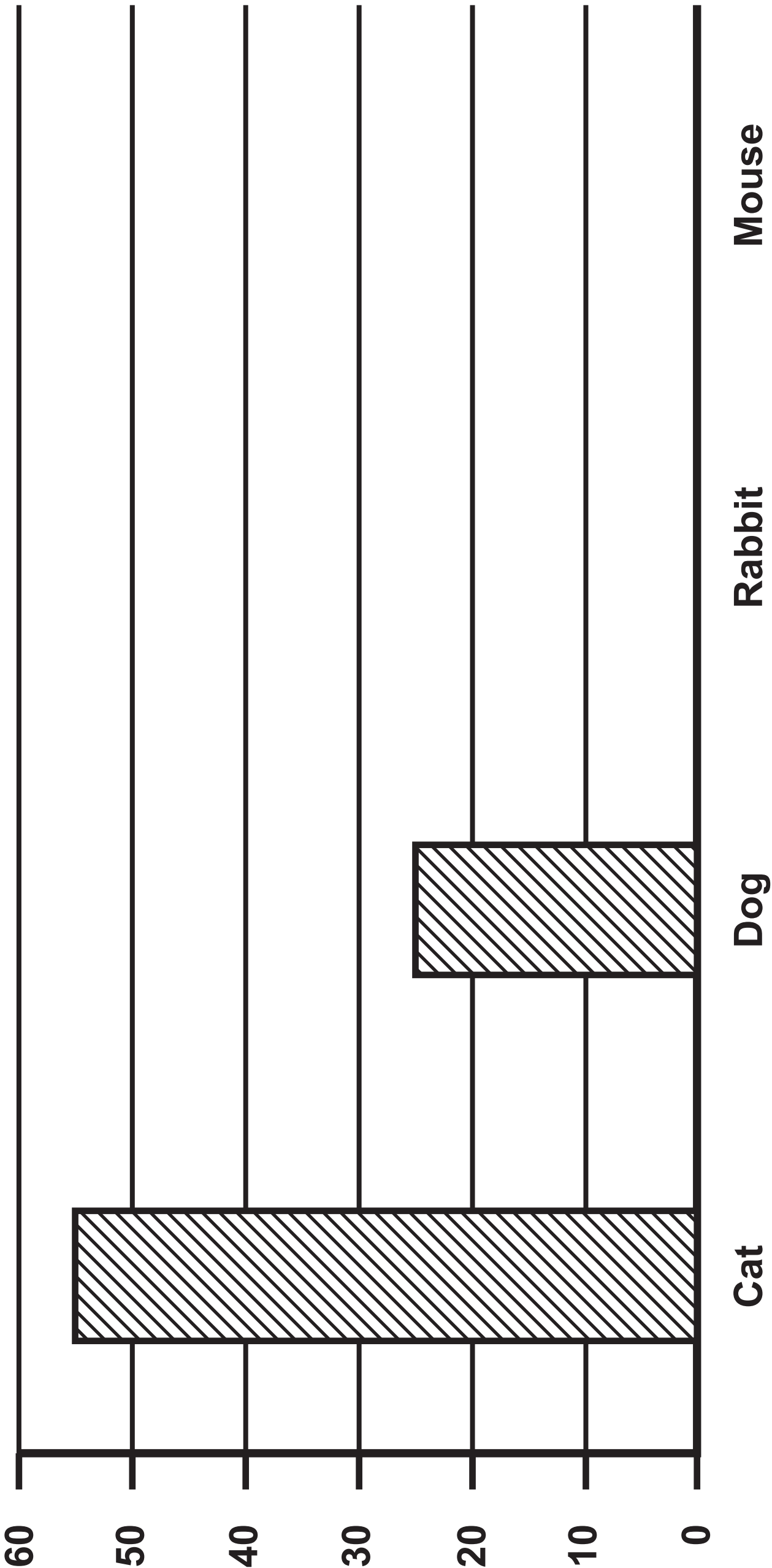
Question 2(d)

FIGURE 3

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

FIGURE 4

Percentage of votes cast



Question 5(a) – outline diagram