

Design and Technology  
COMPONENT 1: Systems

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.**

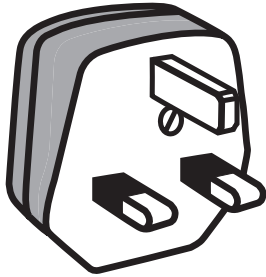
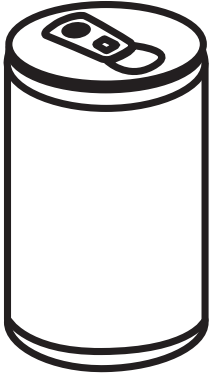
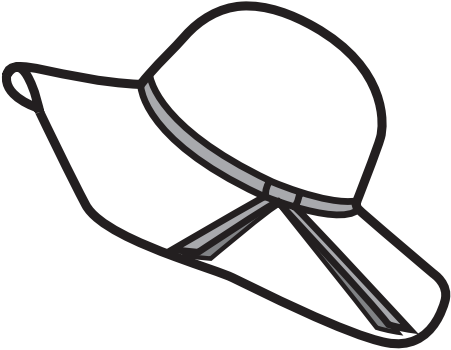

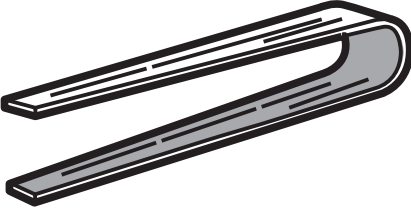
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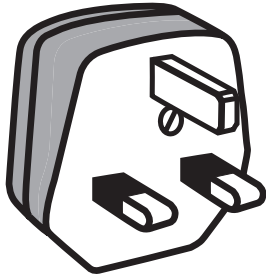
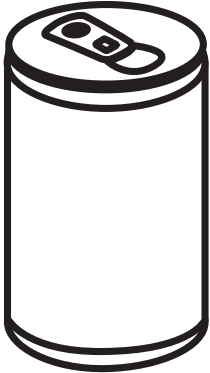
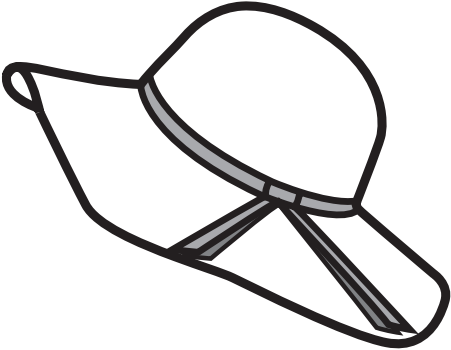

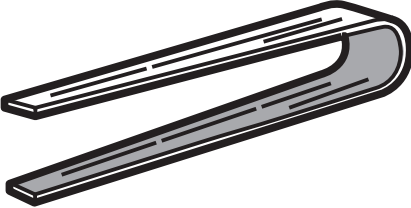
## Question 1(a)

FIGURE 1

Picture of product	Material and product	Property
	Urea formaldehyde 3-pin plug	Insulator of electricity
	Aluminium drinks can	(i) _____ (1 mark)
	Felted wool fabric hat	(ii) _____ (1 mark)
	Tracing paper	(iii) _____ (1 mark)
	Laminated plywood salad servers	(iv) _____ (1 mark)

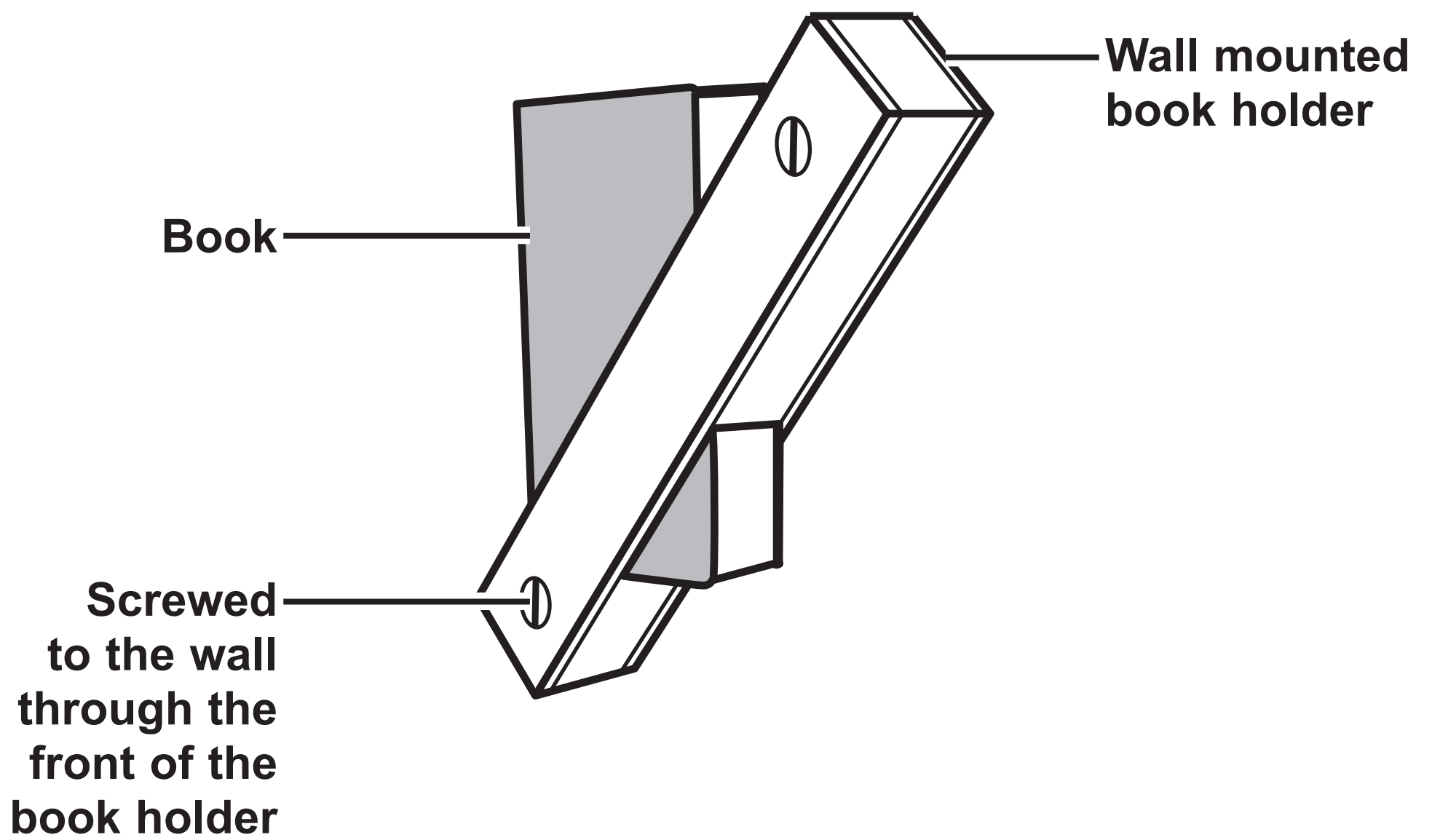
## Question 1(a)

FIGURE 1

Picture of product	Material and product	Property
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	Aluminium drinks can	(i) _____ (1 mark)
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	Tracing paper	(iii) _____ (1 mark)
	Laminated plywood salad servers	(iv) _____ (1 mark)

## Question 2

FIGURE 2

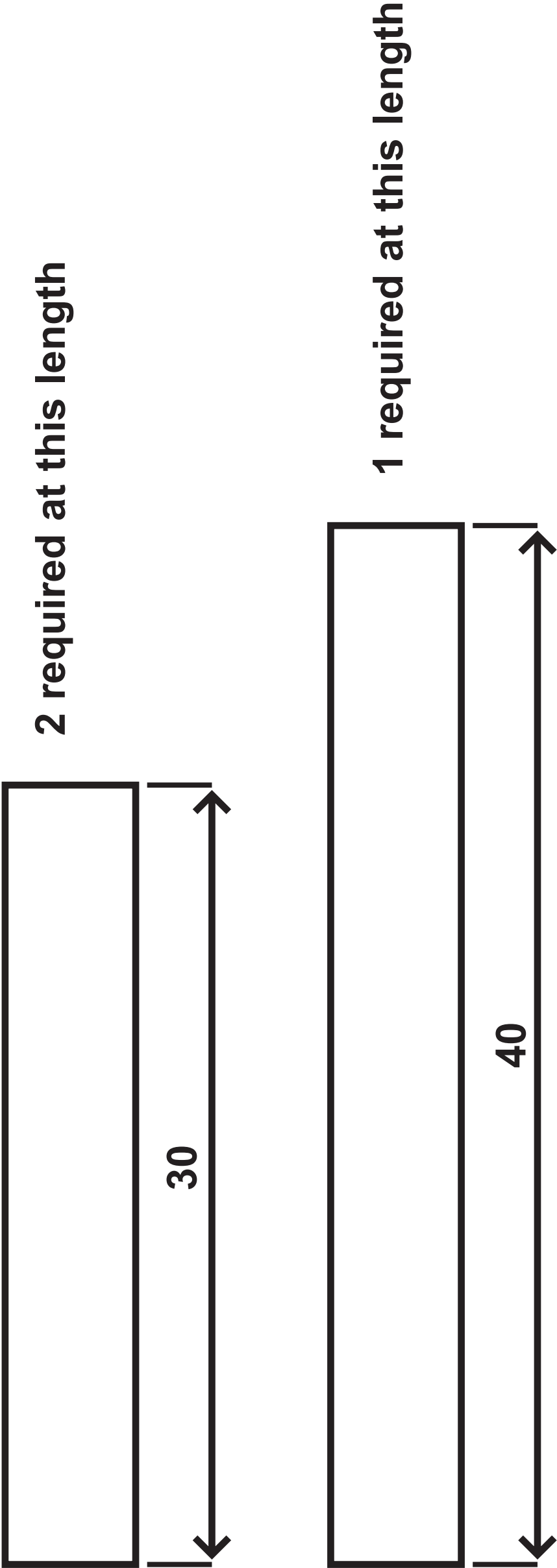


Question 2(d)

FIGURE 3

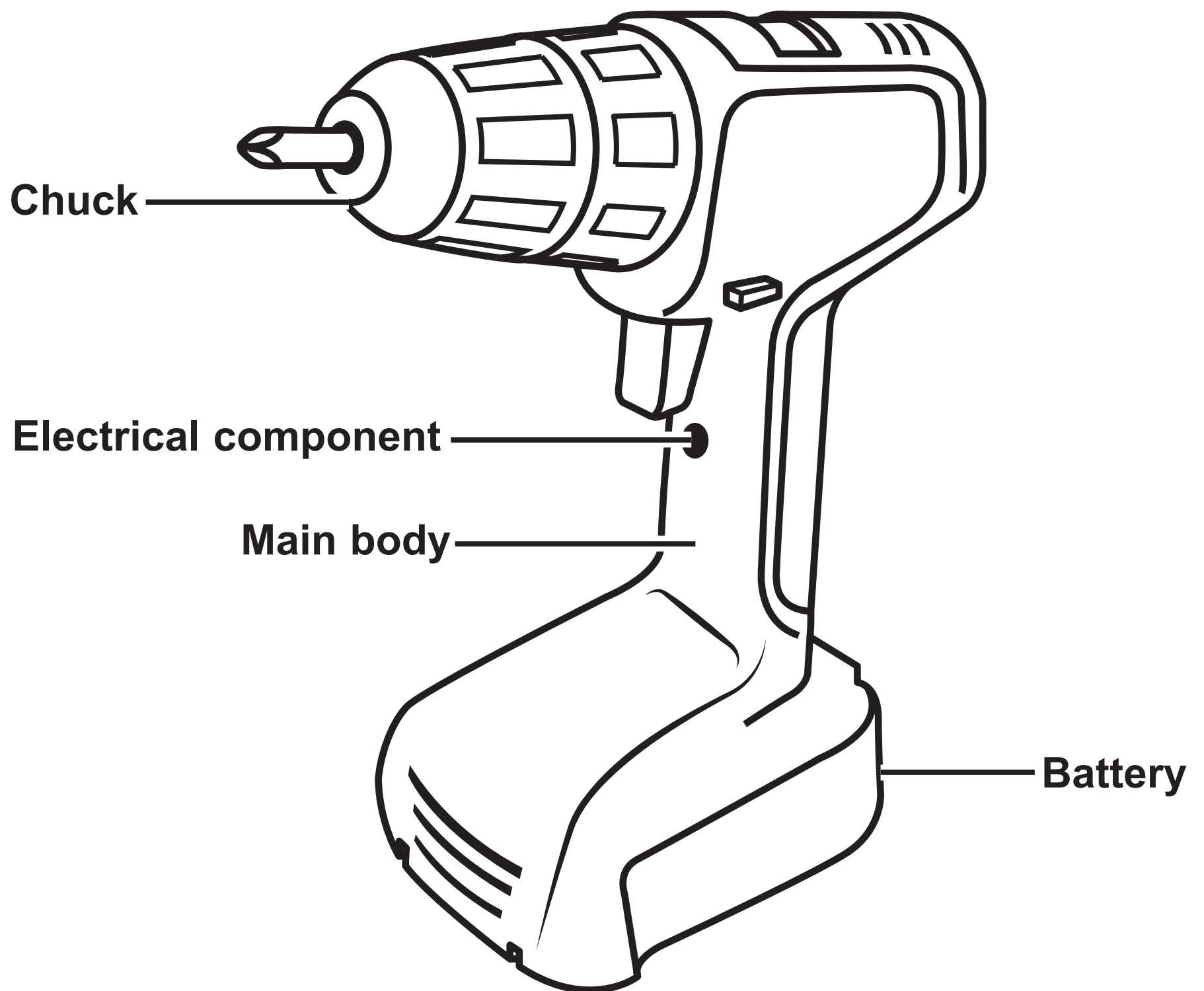
All dimensions in cm

Diagram not to scale

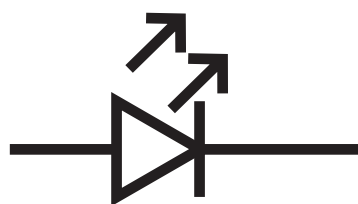


## Question 3

FIGURE 4



Circuit symbol for the electrical component

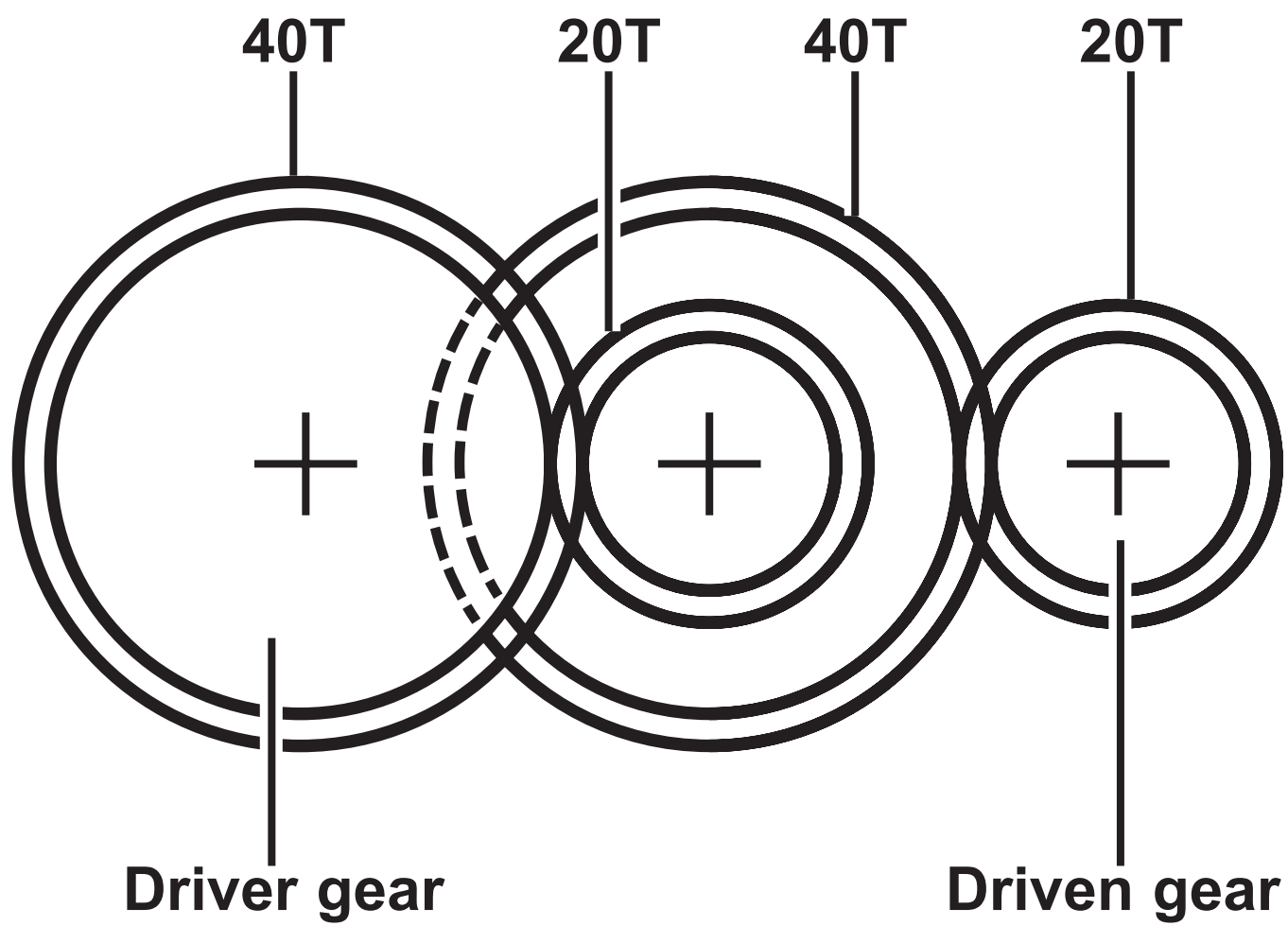




## Question 3(c)

FIGURE 5

T = Teeth

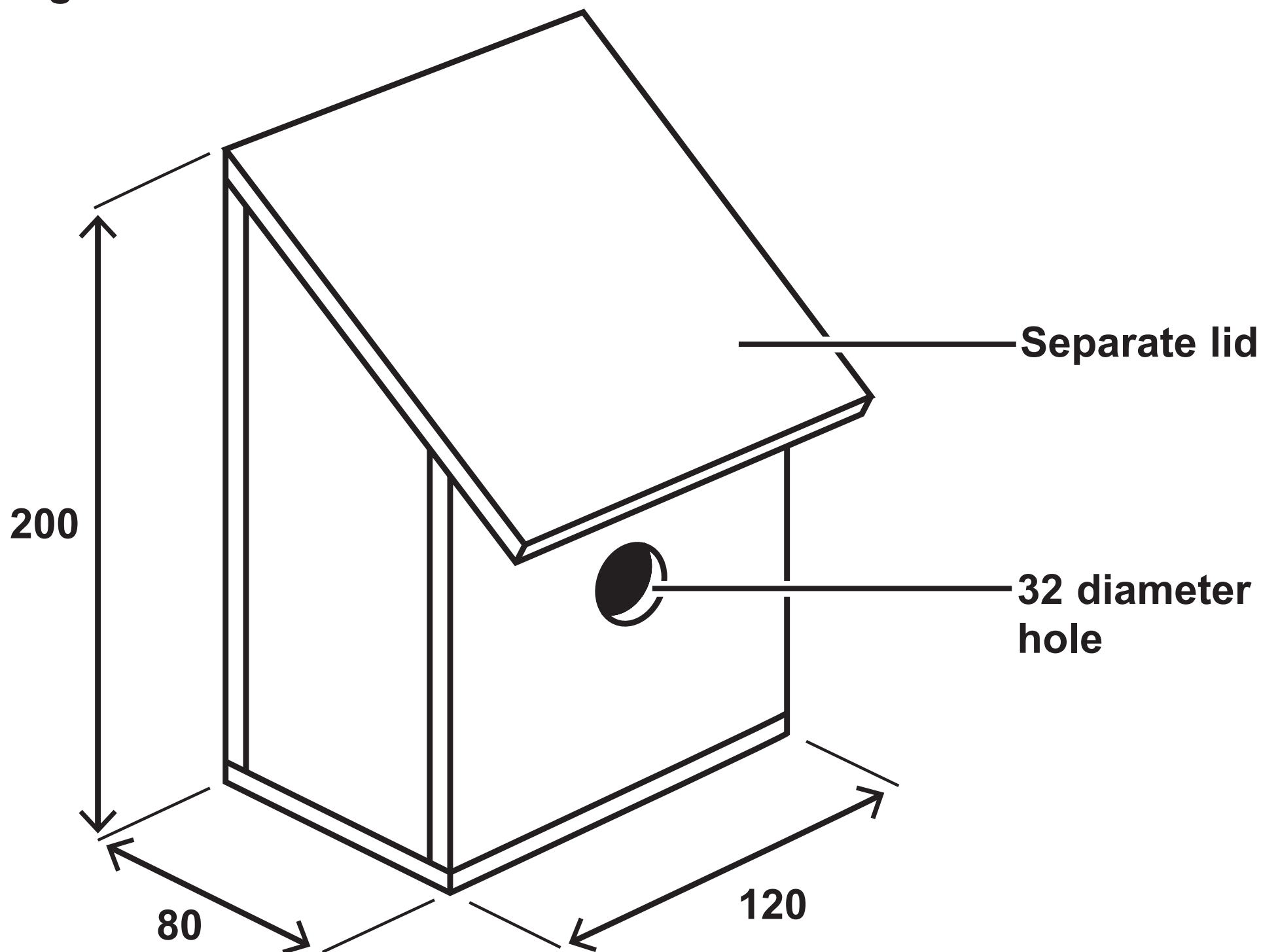


## Question 5

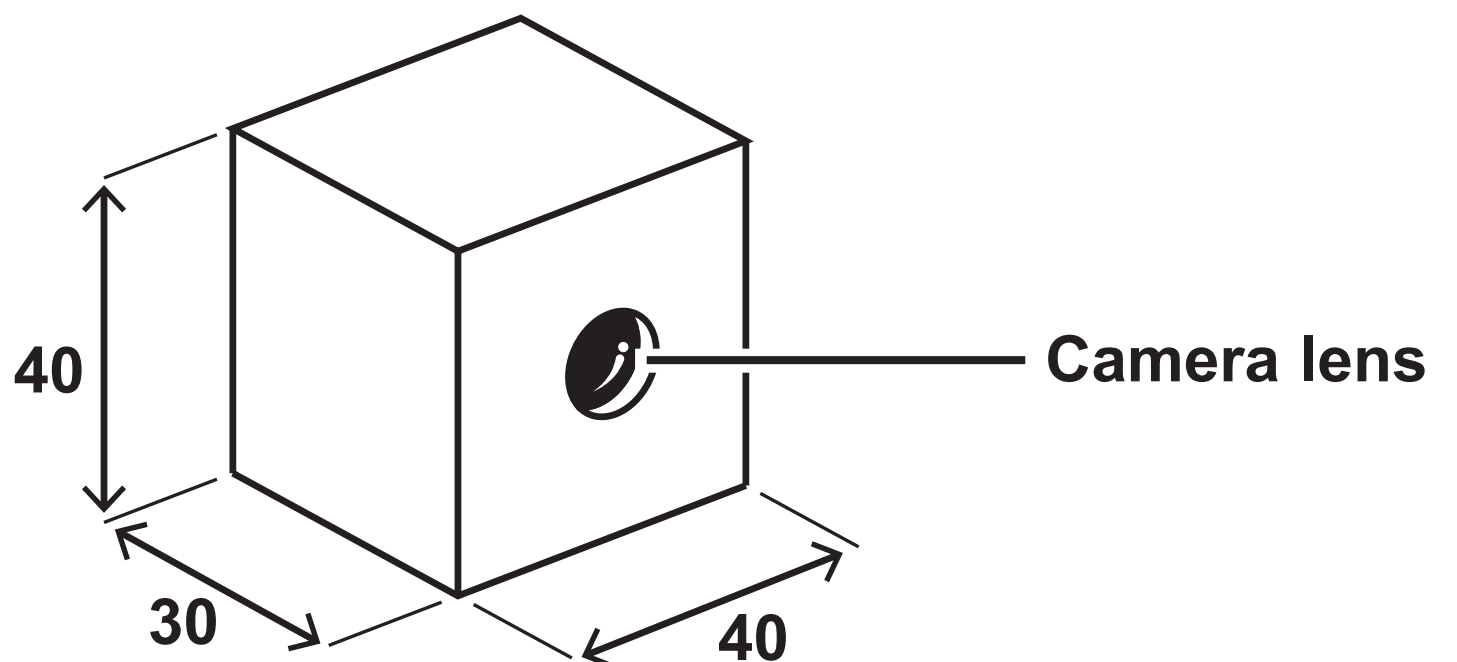
FIGURE 6

All dimensions in mm

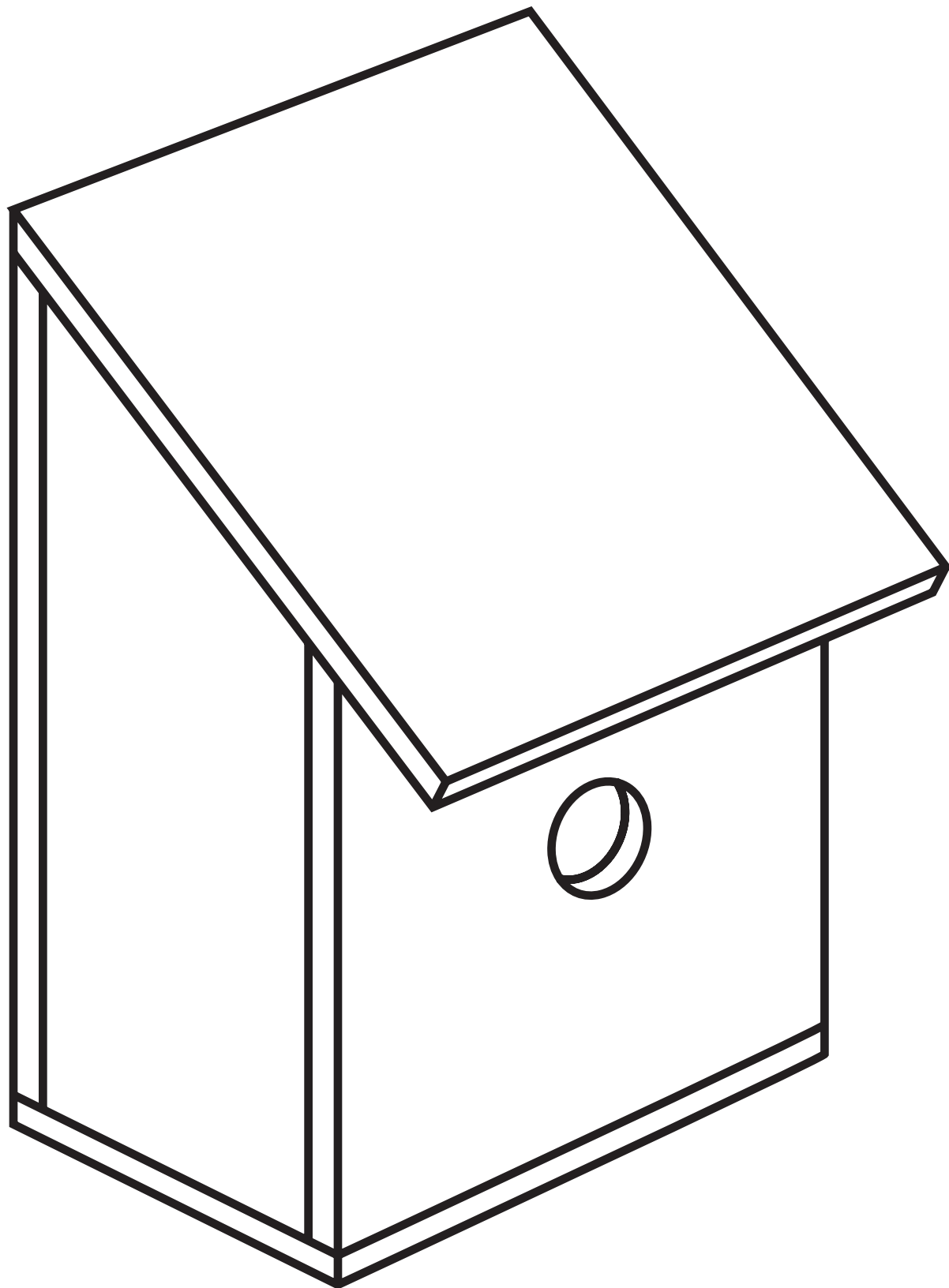
Diagram not to scale



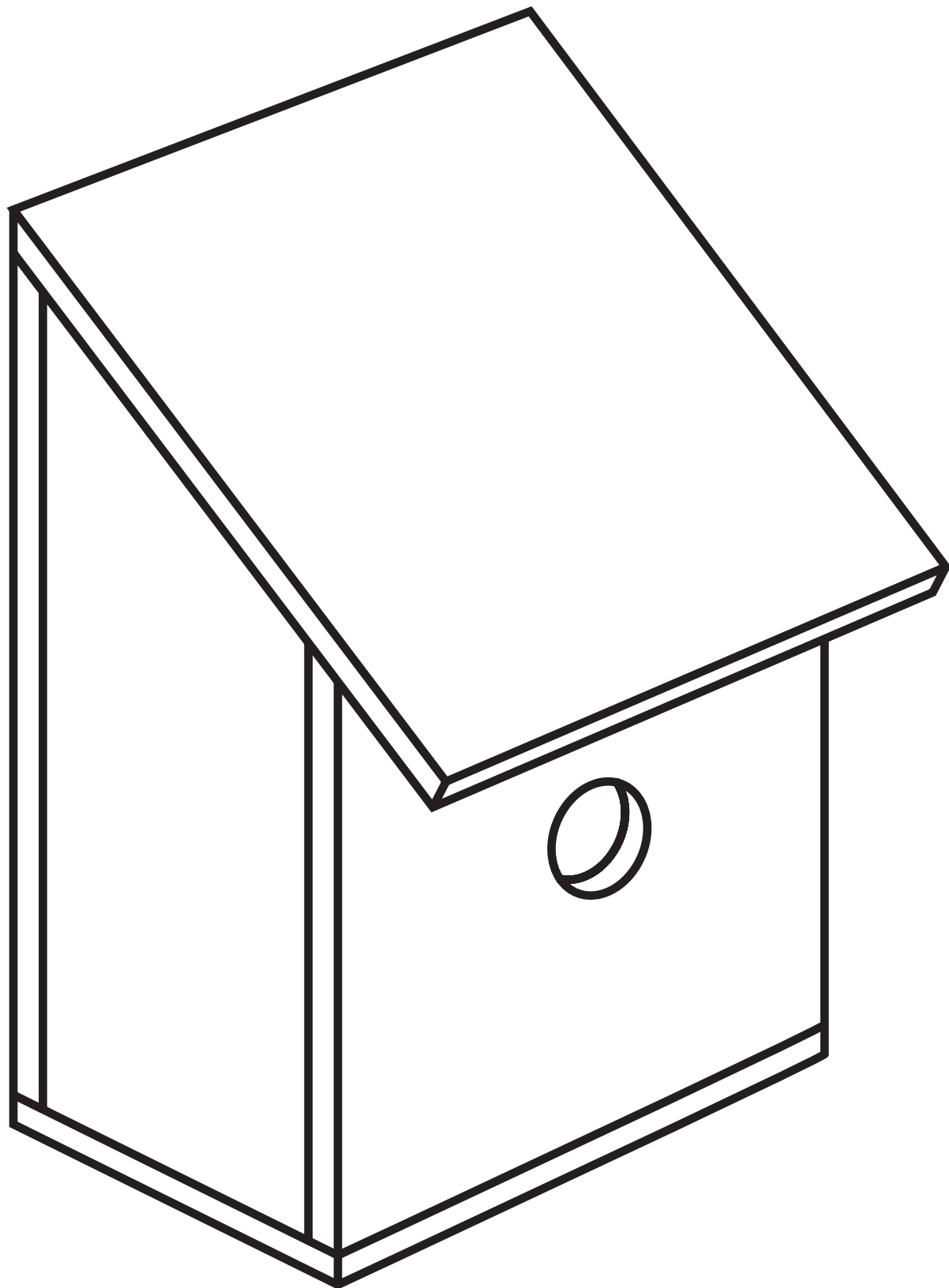
Additional information – camera with batteries inside



## Question 5(a)

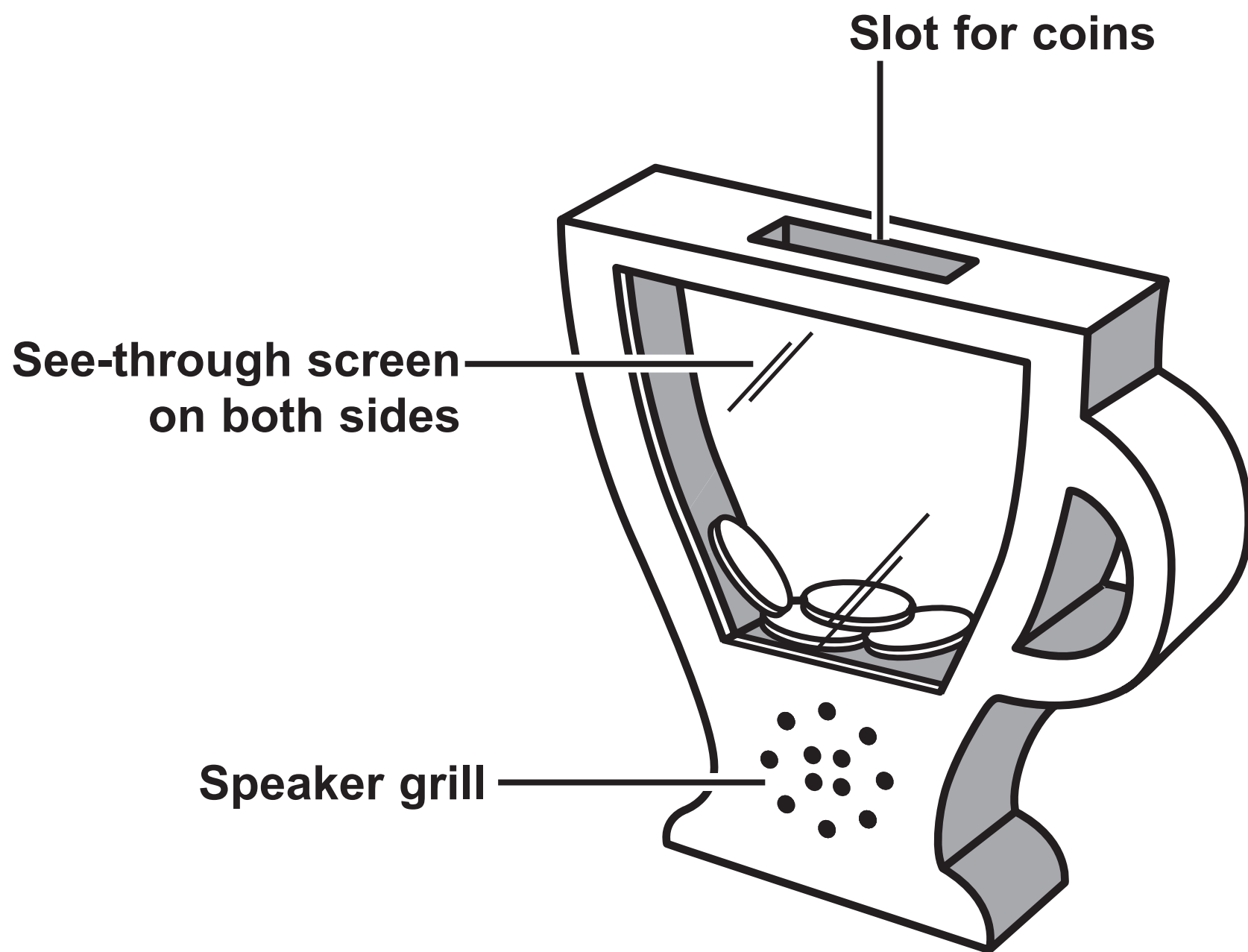


## Question 5(a)



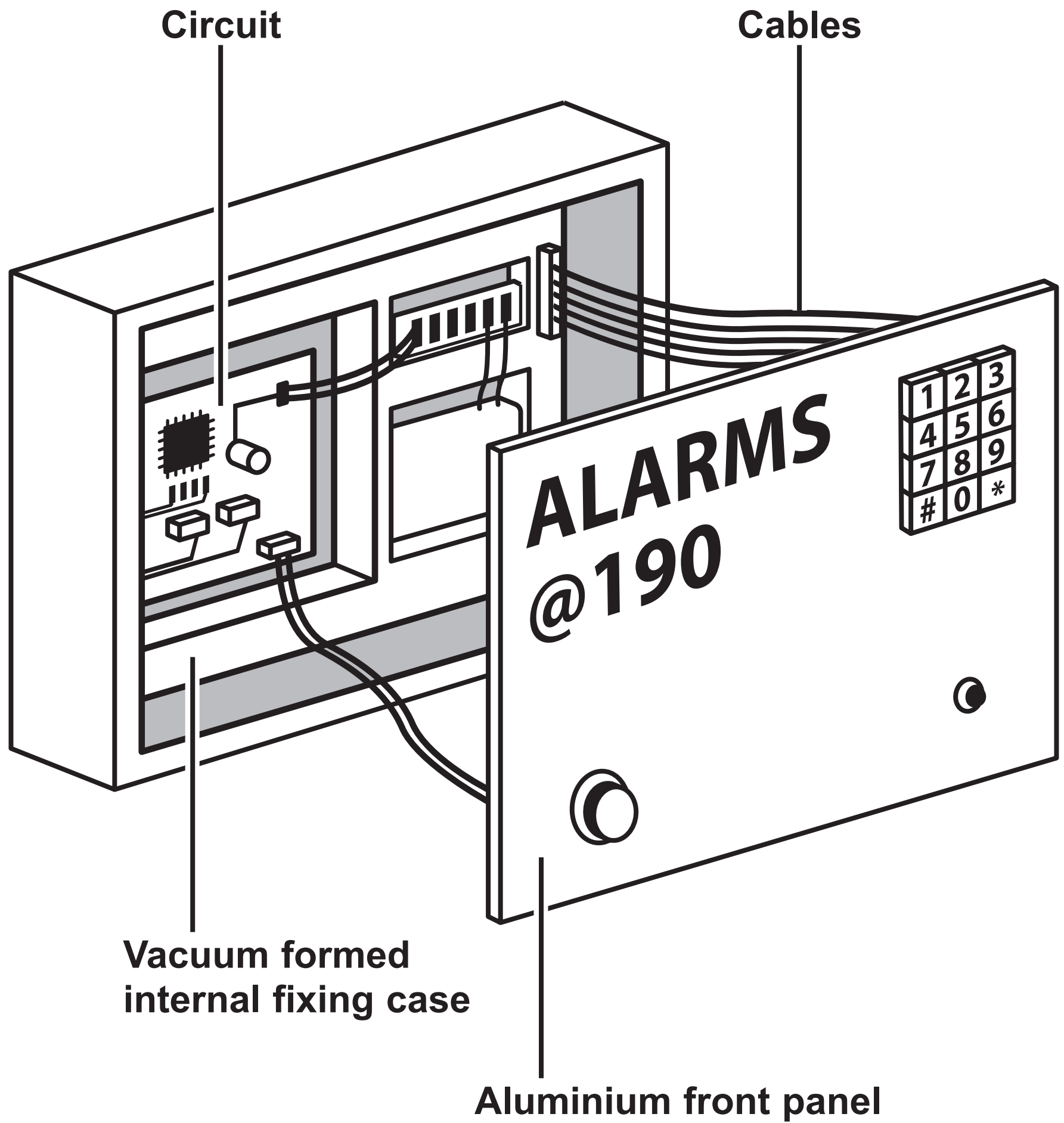
## Question 5(b)

FIGURE 7



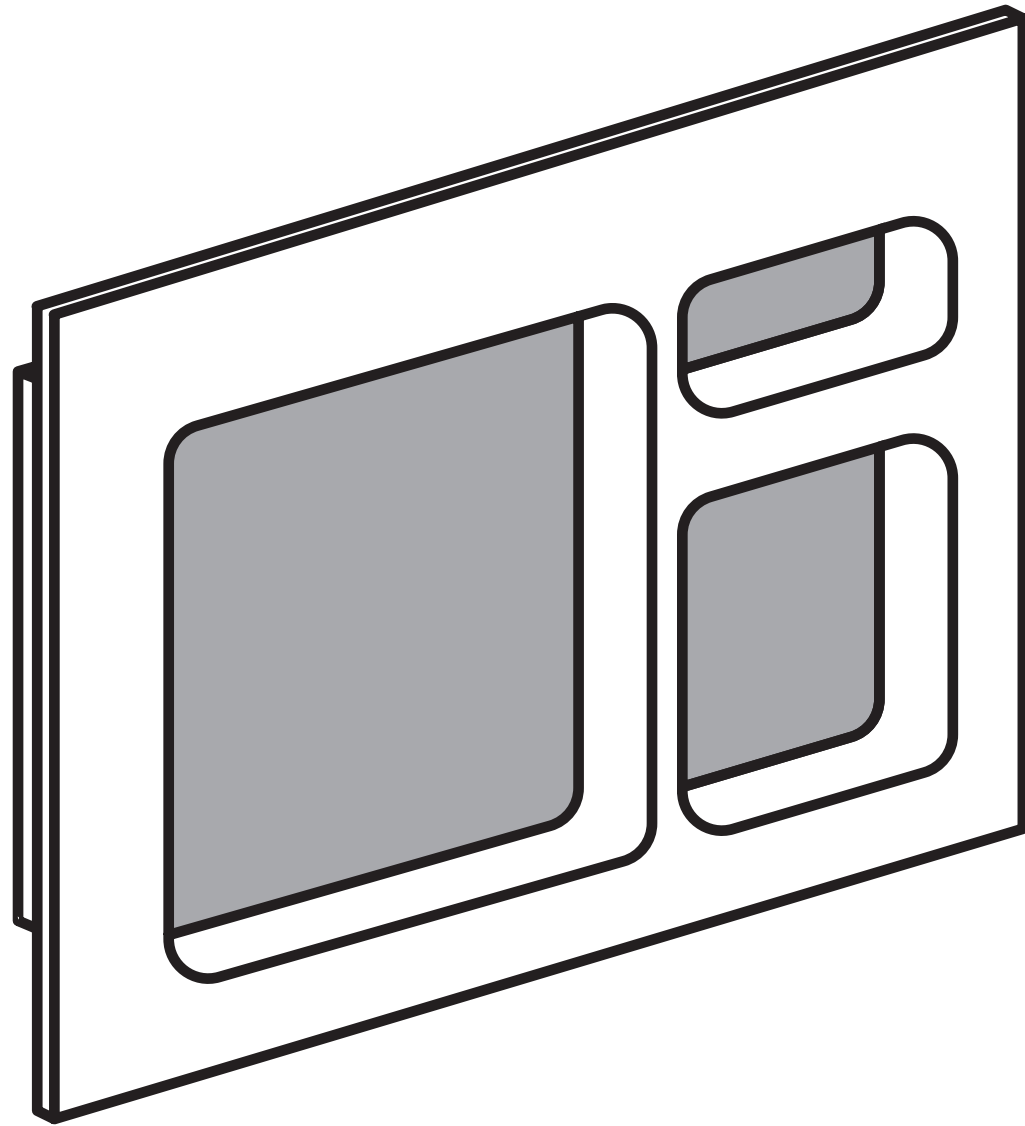
## Question 6(a)

FIGURE 8



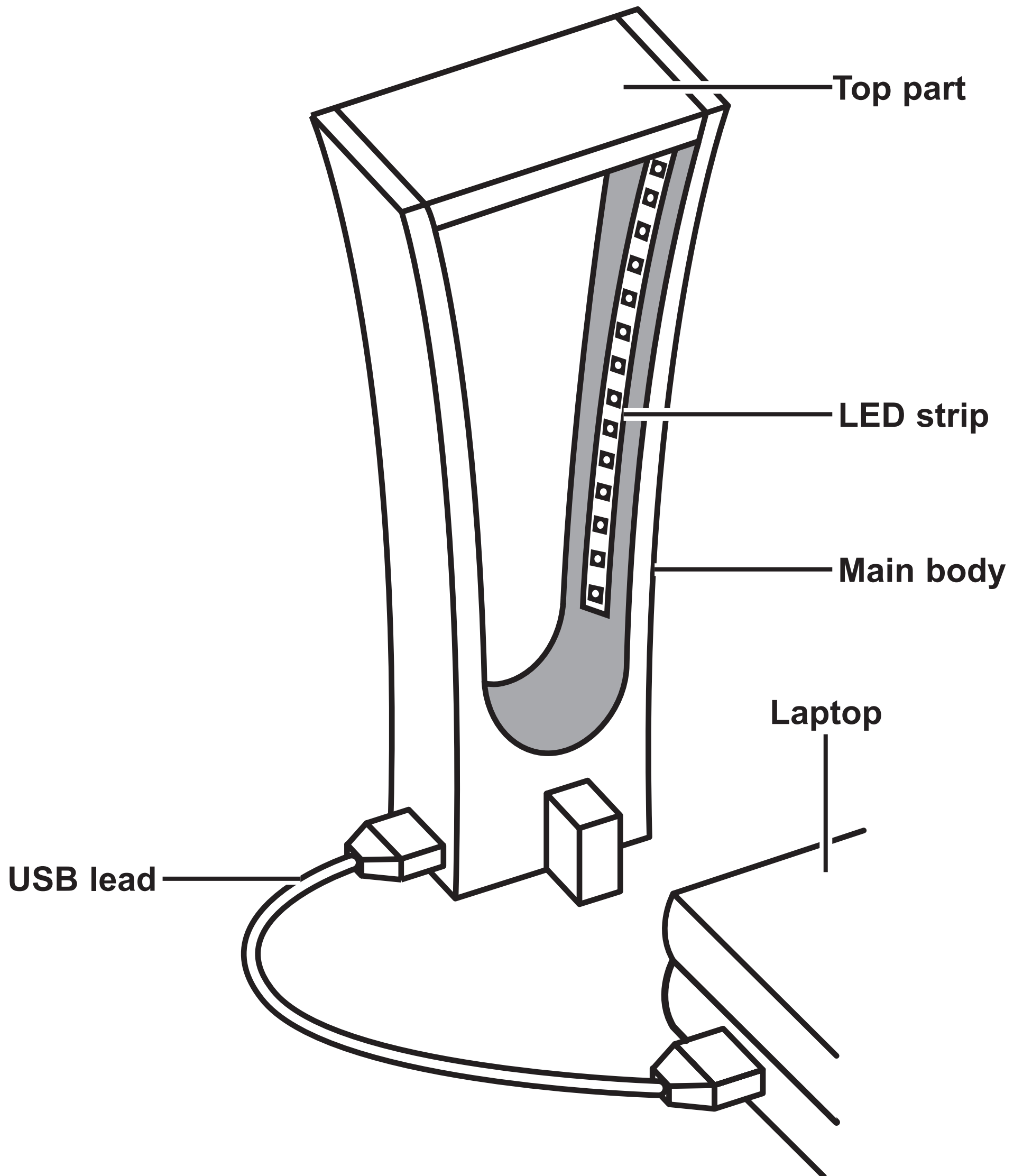
## Question 6(b)

FIGURE 9



## Question 7

FIGURE 10



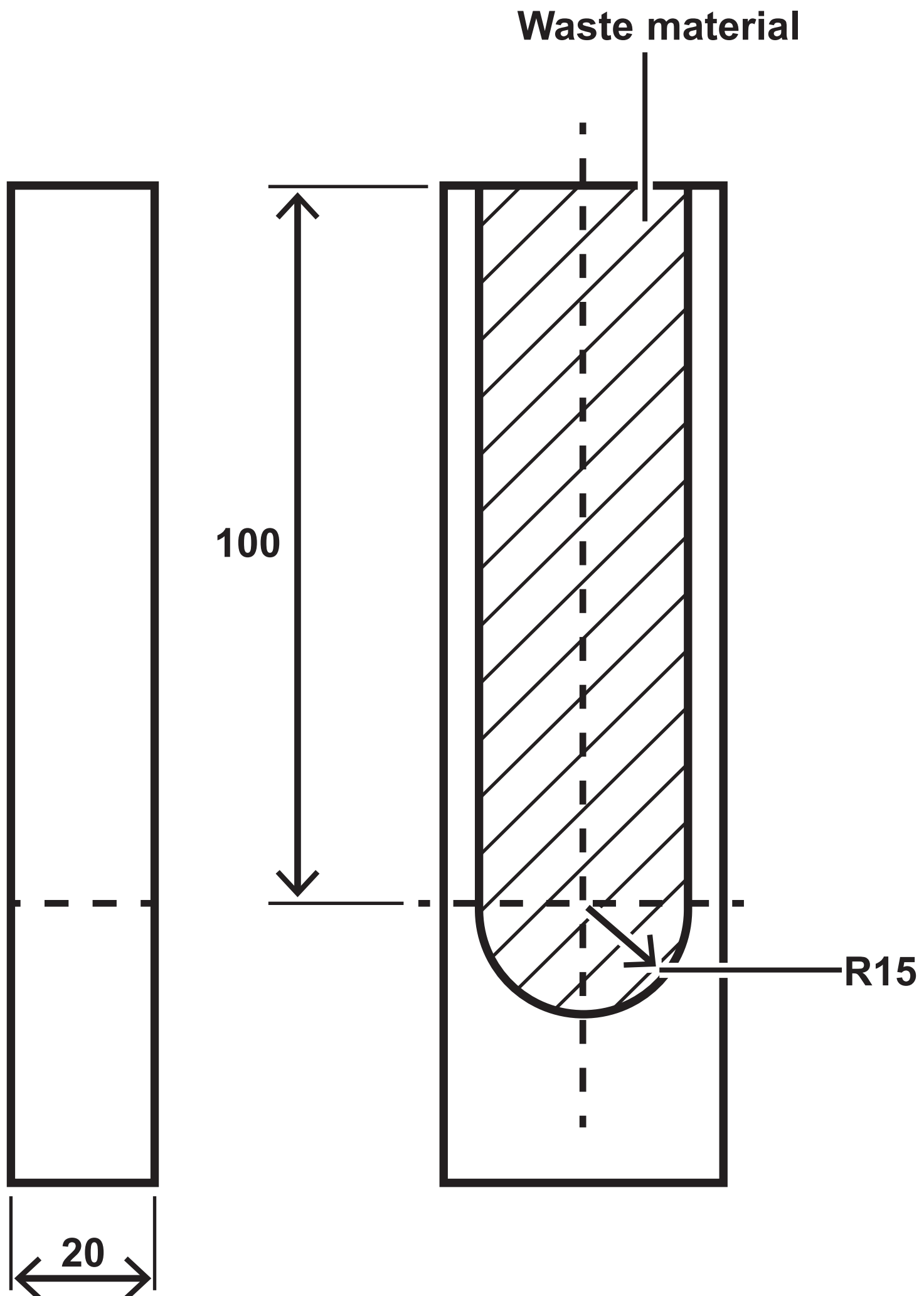


## Question 7(c)

FIGURE 11

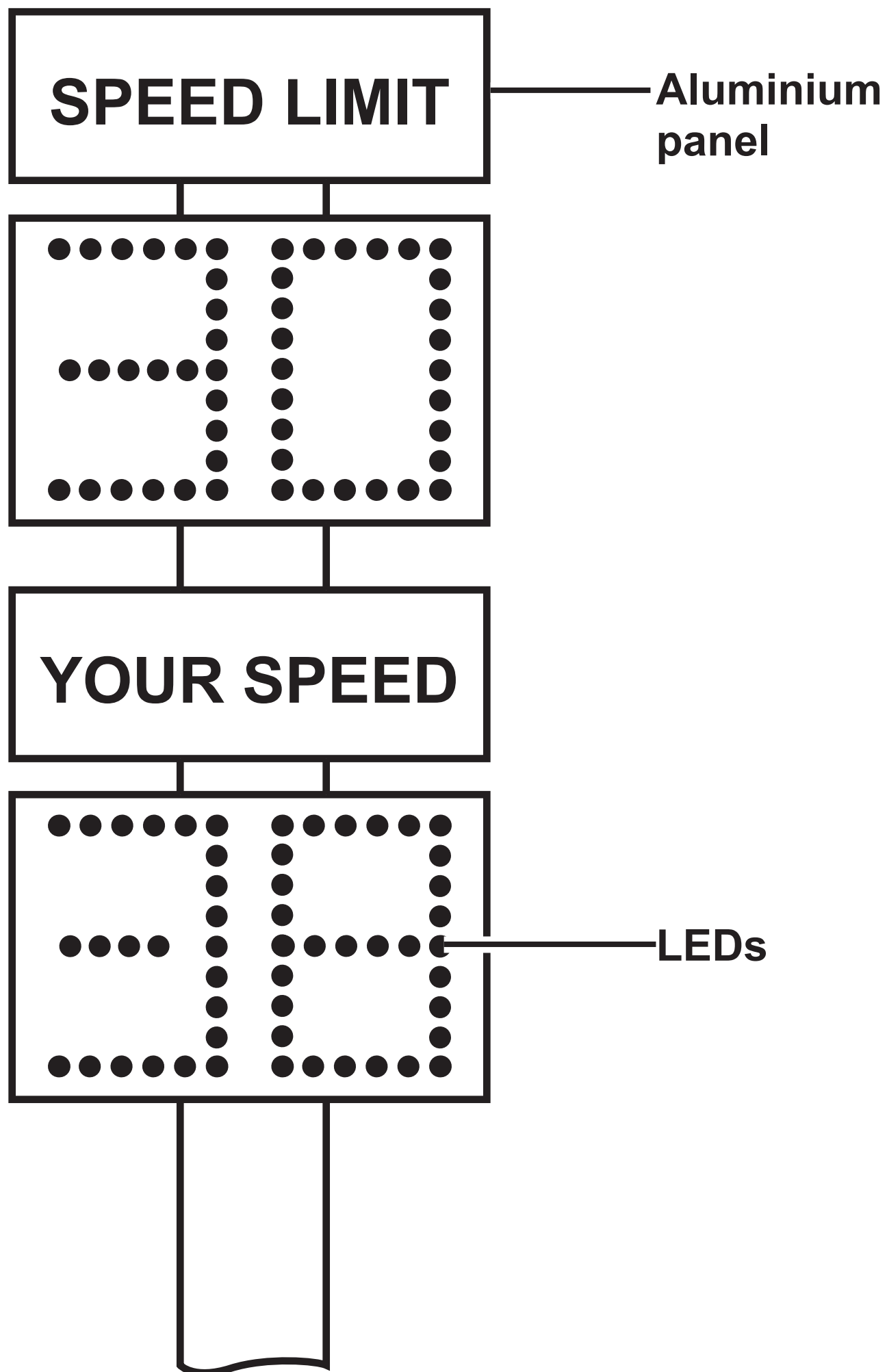
All dimensions are in mm

Diagram not to scale



## Question 8

FIGURE 12



Question 8(d)

FIGURE 13

Source of aluminium	Canada
Road sign material	Stock sized 6 mm aluminium sheet
Potential market	Local councils, schools and holiday camps
Scale of production	Batch