

**Pearson Edexcel Level 1/Level 2 GCSE (9-1)**

**Friday 24 May 2019**

**Paper Reference 1DT0/1D**

**Design and Technology**

**Component 1: Systems**

**DIAGRAM BOOKLET**

**Write your name here**

<b>Candidate Surname</b>
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<b>Other names</b>
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<b>Centre No.</b>					
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<b>Candidate No.</b>				
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**FIGURE 1**

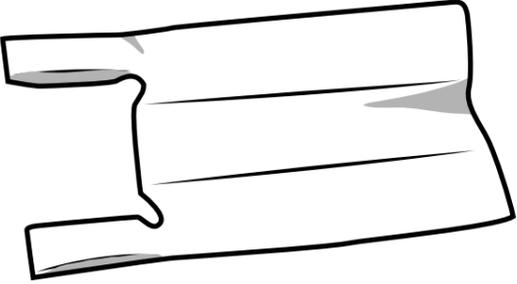
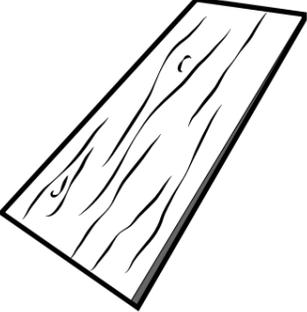
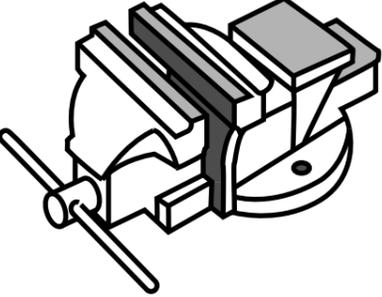
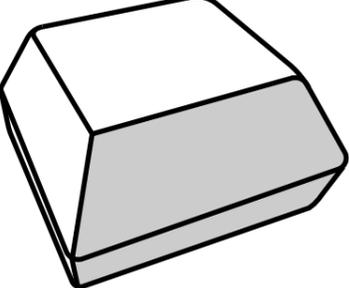
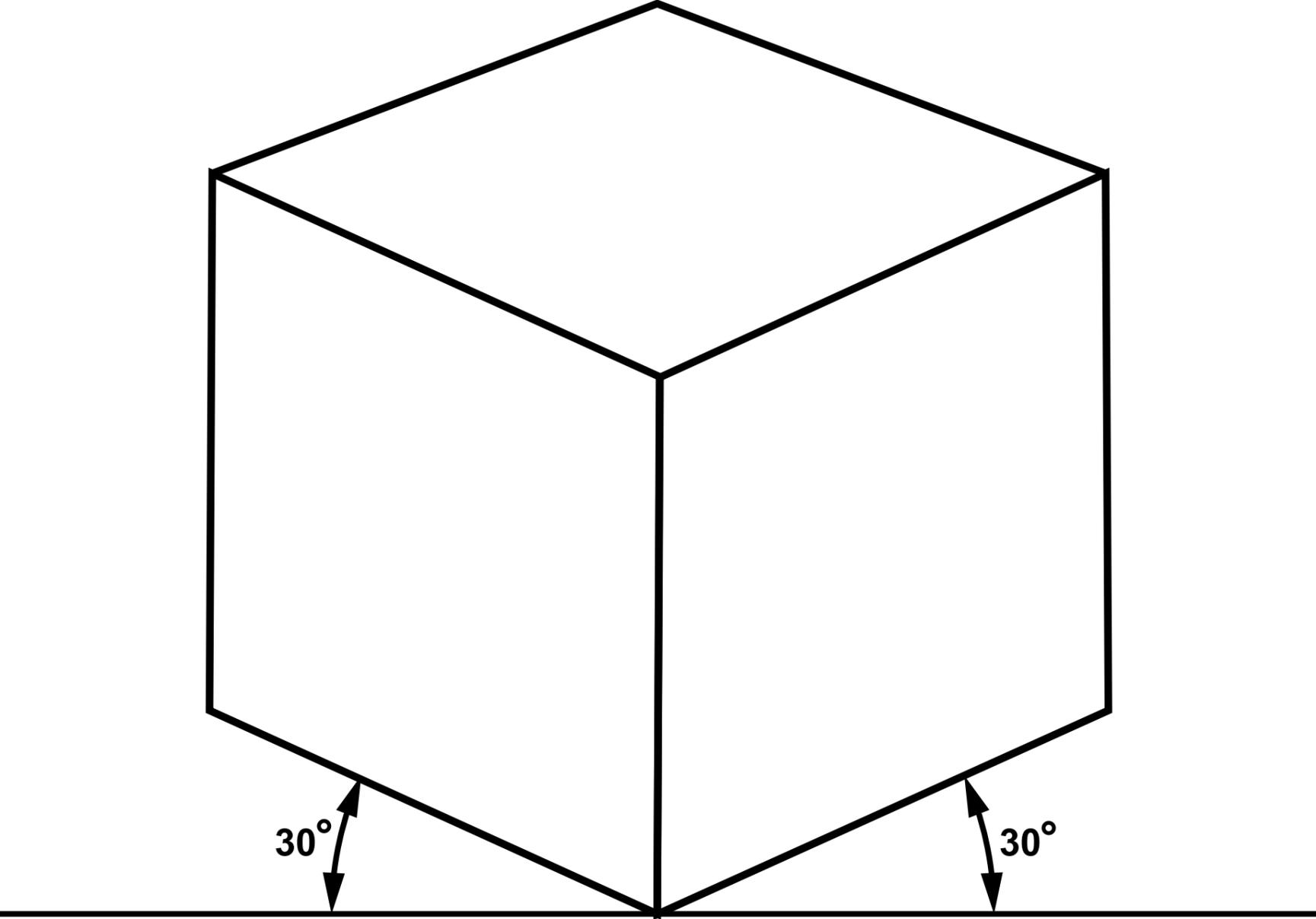
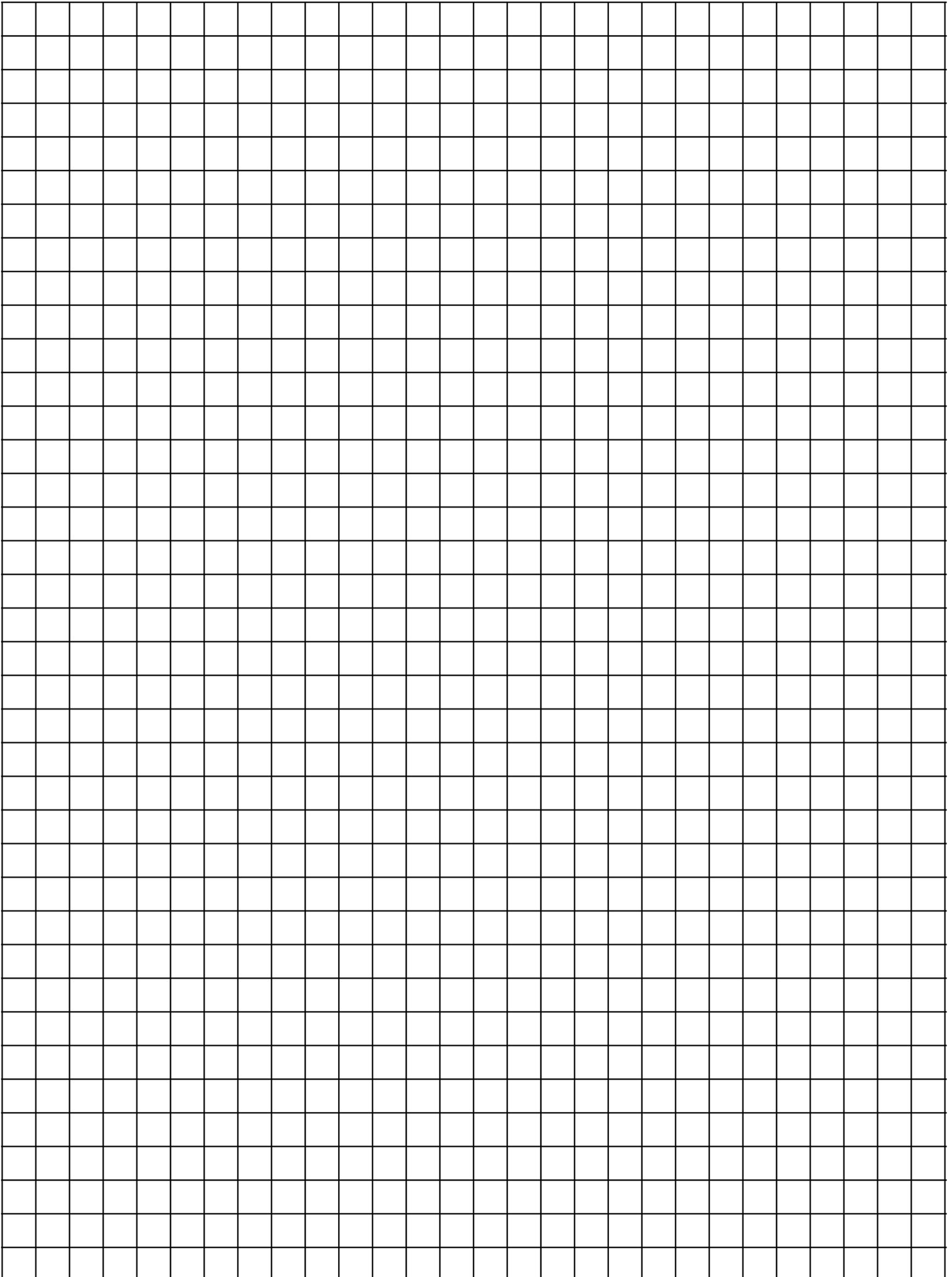
<b>Product</b>	<b>Product material</b>	<b>Property</b>
	<b>Biodegradable plastic shopping bag</b>	<b>Will degrade in soil</b>
	<b>Cedar roof tile</b>	(1) (i) _____
	<b>Cast iron workshop vice</b>	(1) (ii) _____
	<b>Polyester raincoat</b>	(1) (iii) _____
	<b>Solid white board burger package</b>	(1) (iv) _____

FIGURE 3



**Question 2 (c)**

**EACH SQUARE REPRESENTS 10 mm**



**FIGURE 4**

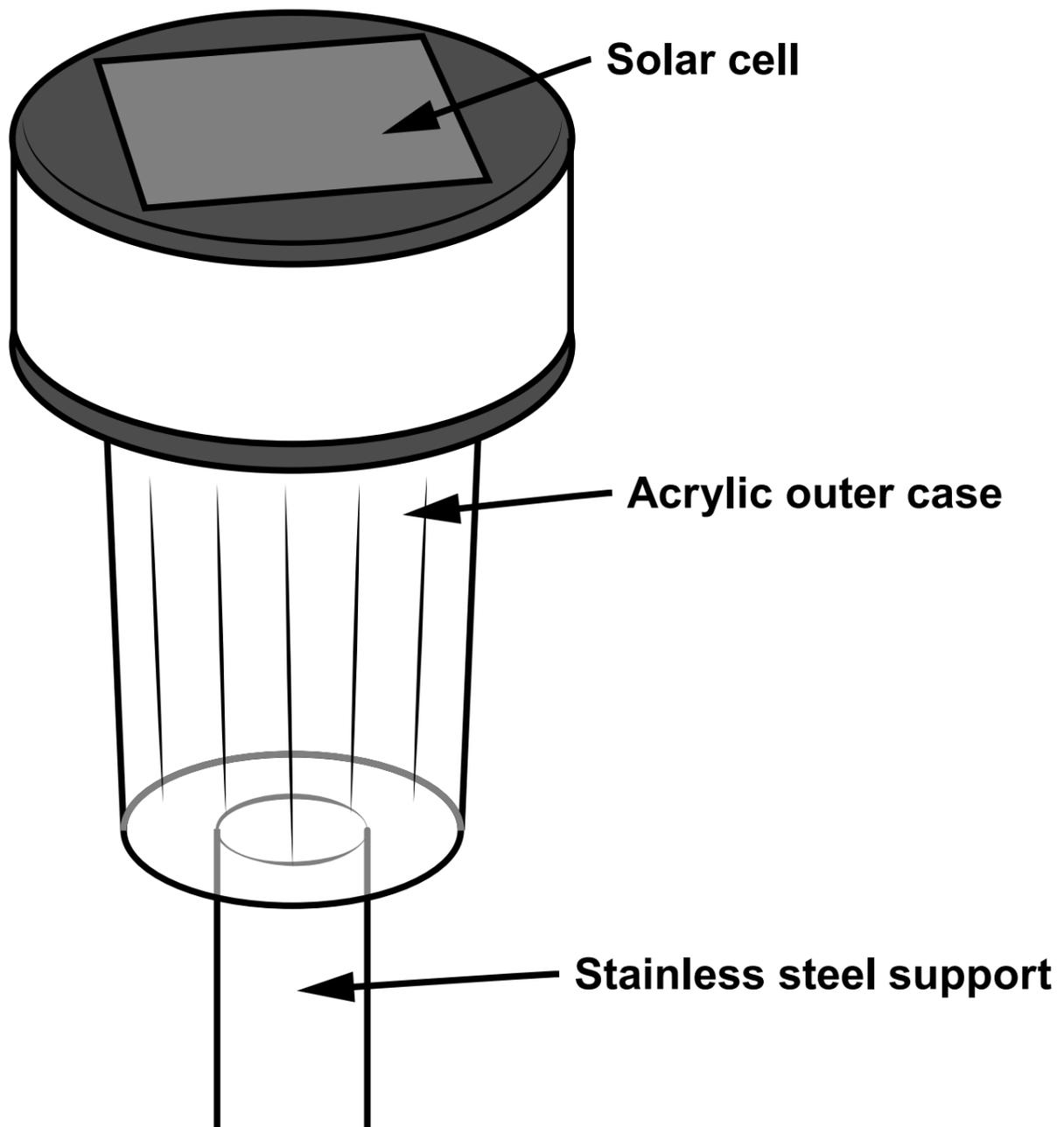


FIGURE 5

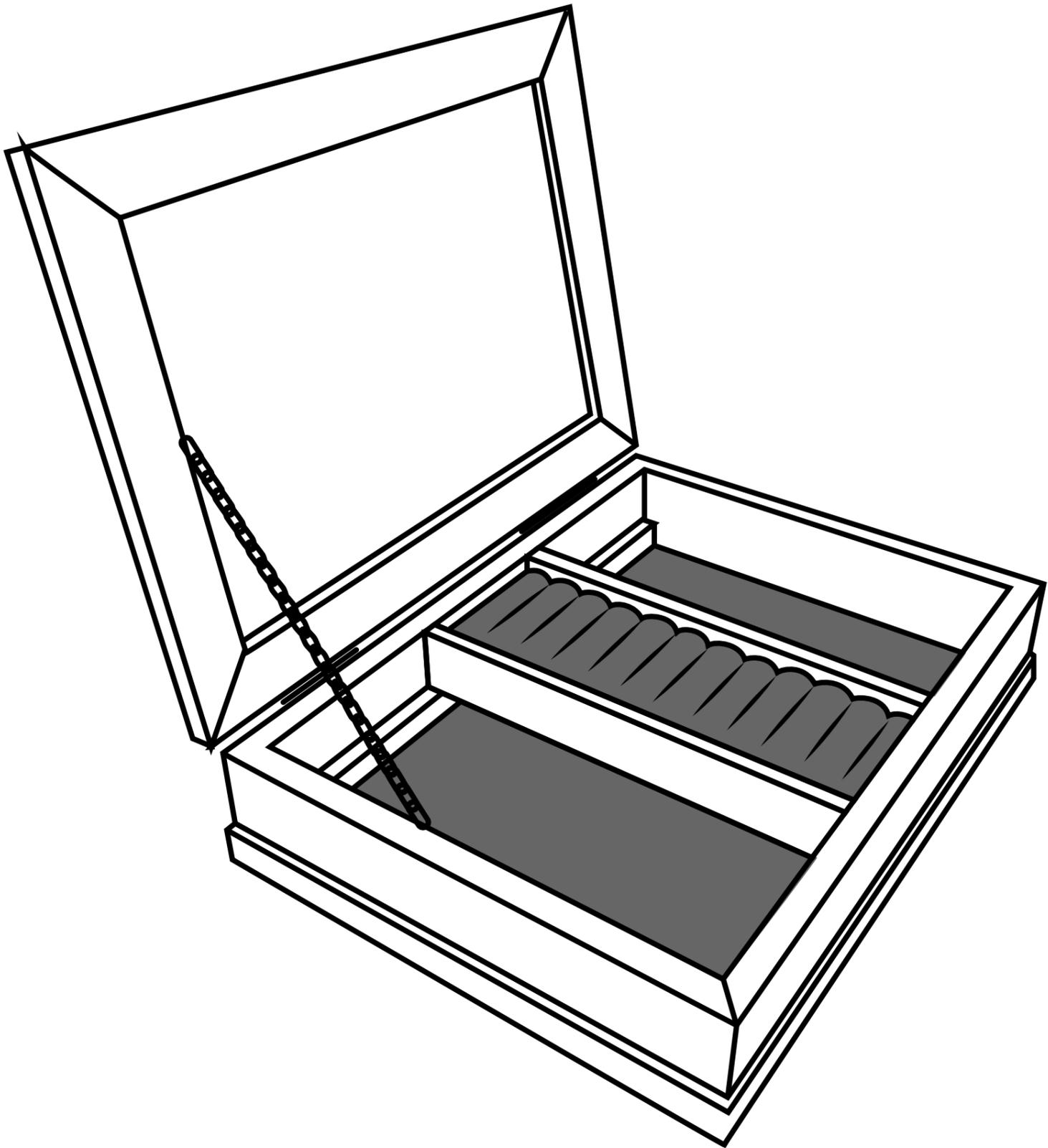


FIGURE 6

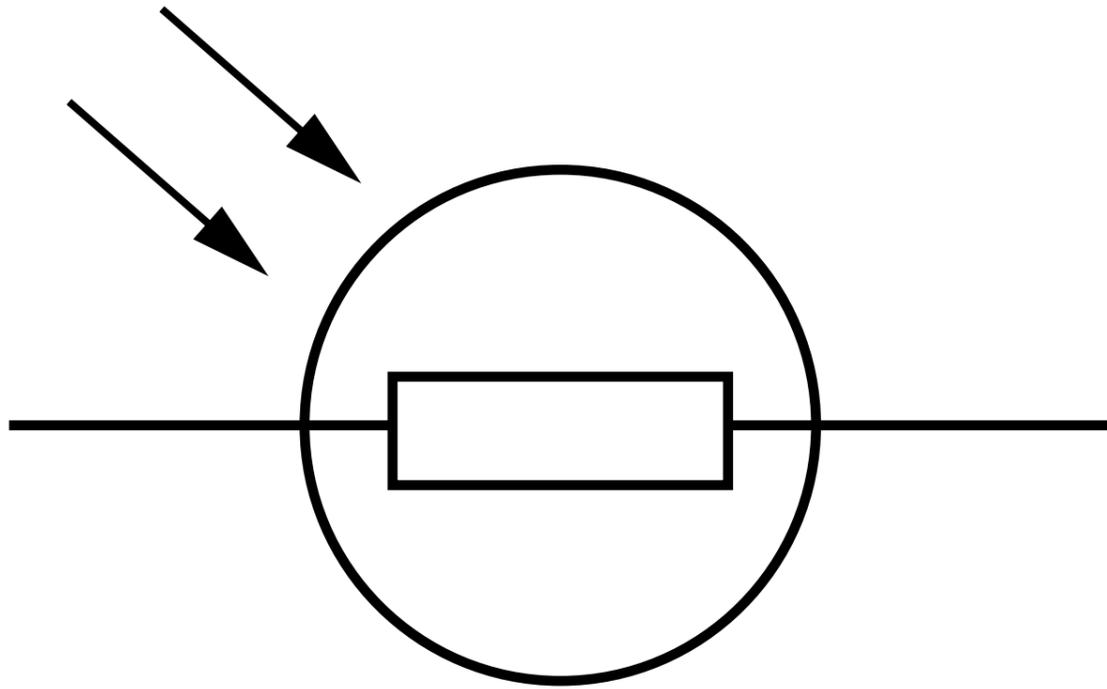
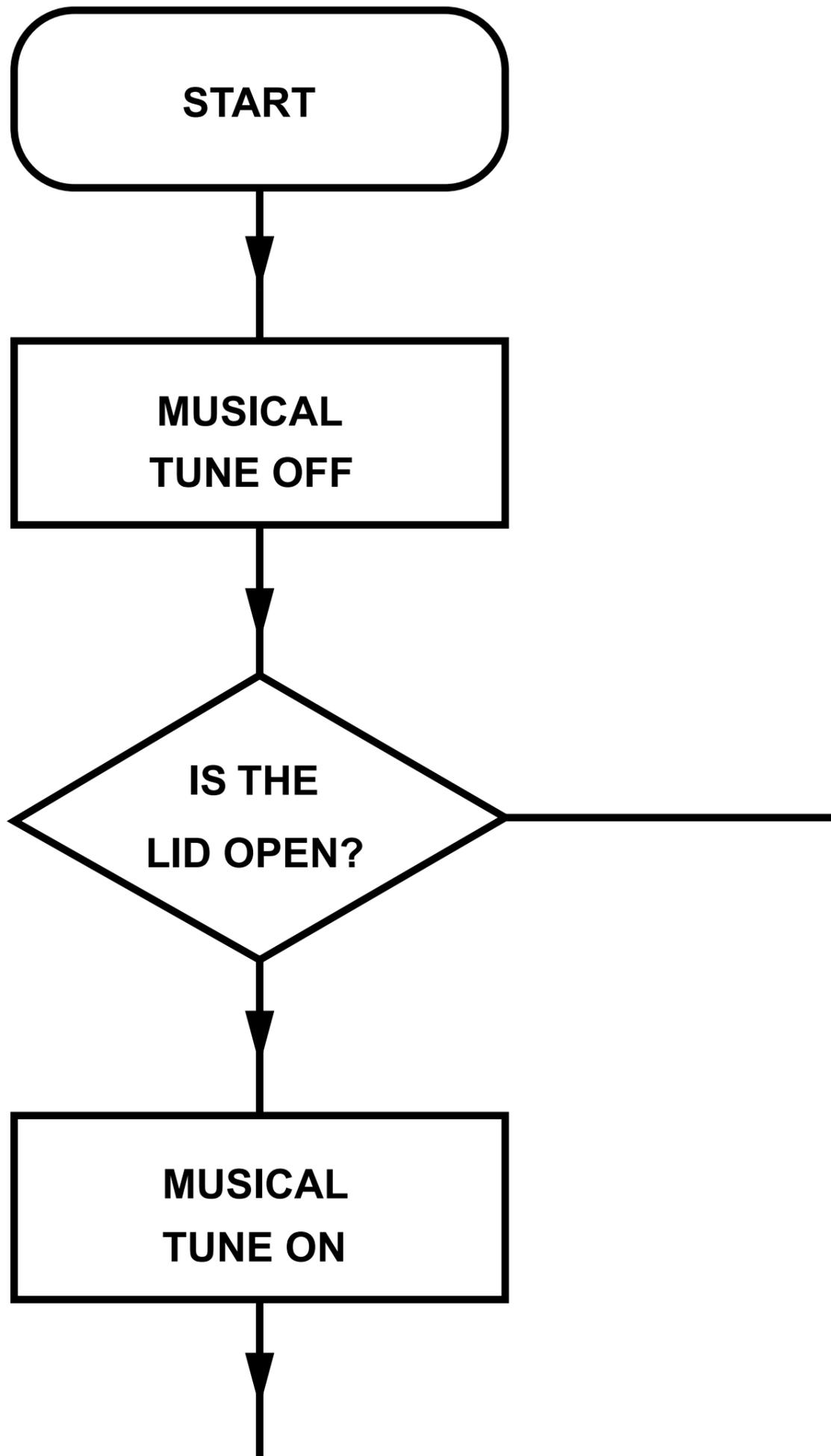
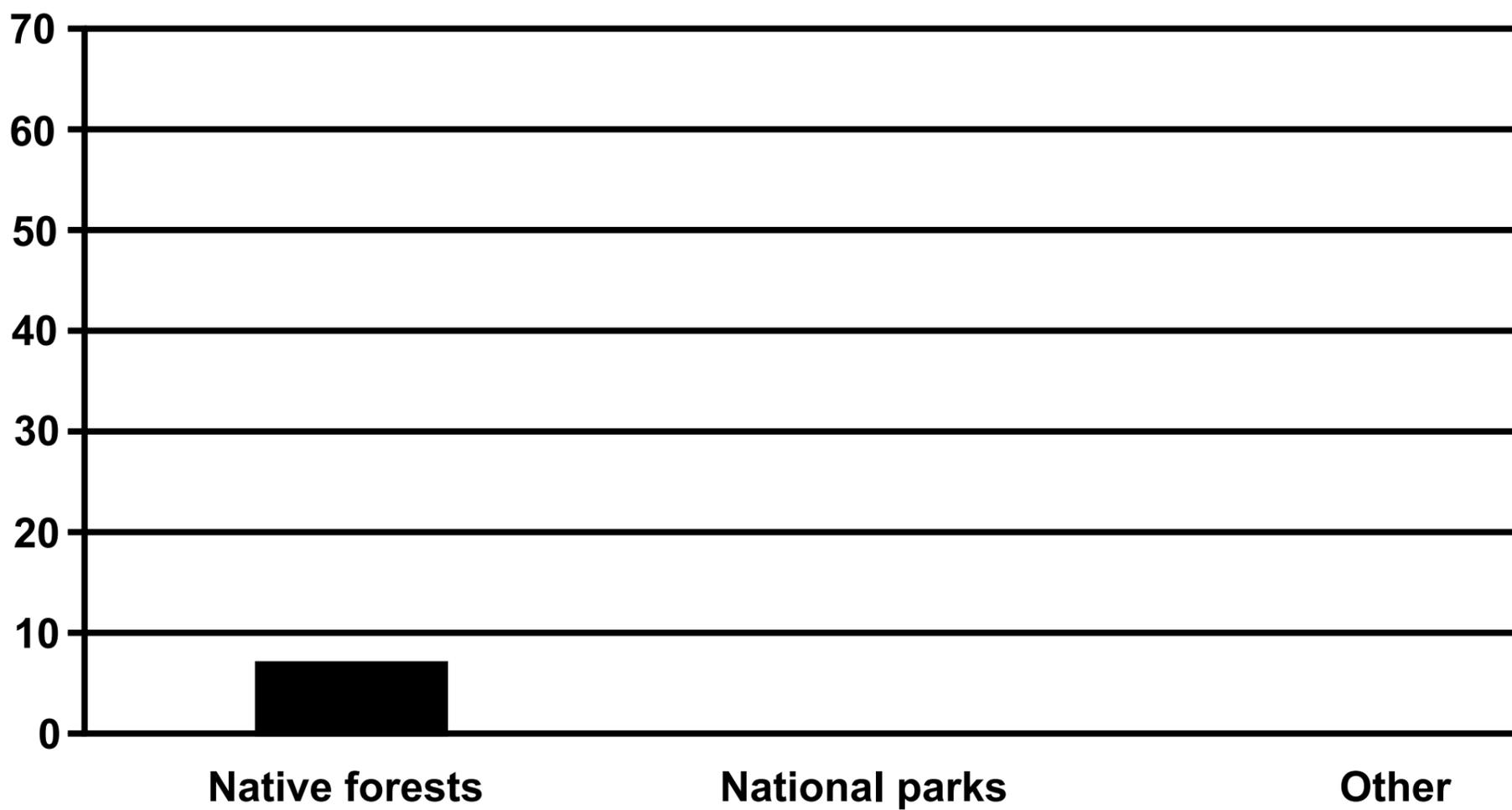


FIGURE 7

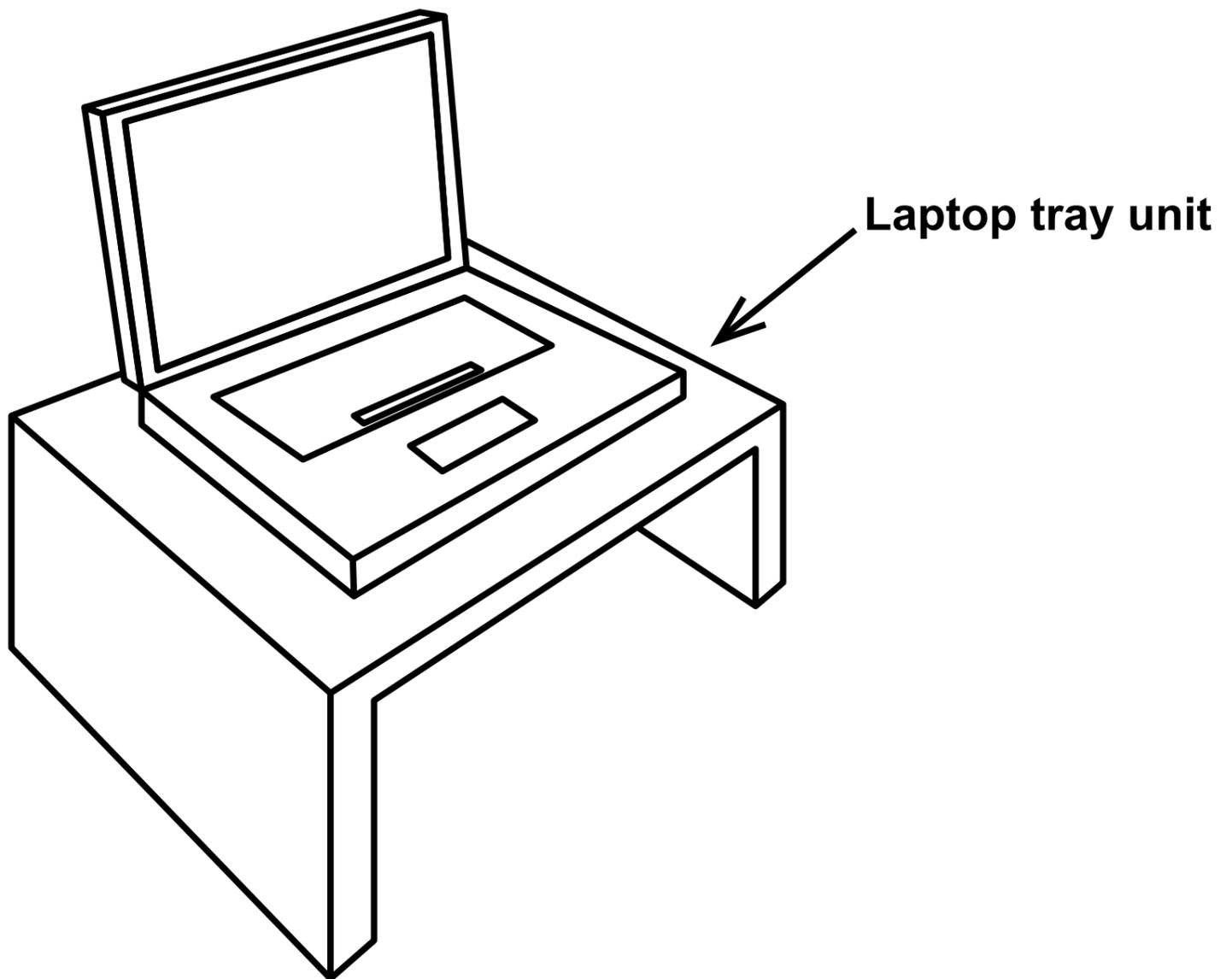


### Question 4 (b)

Percentage area

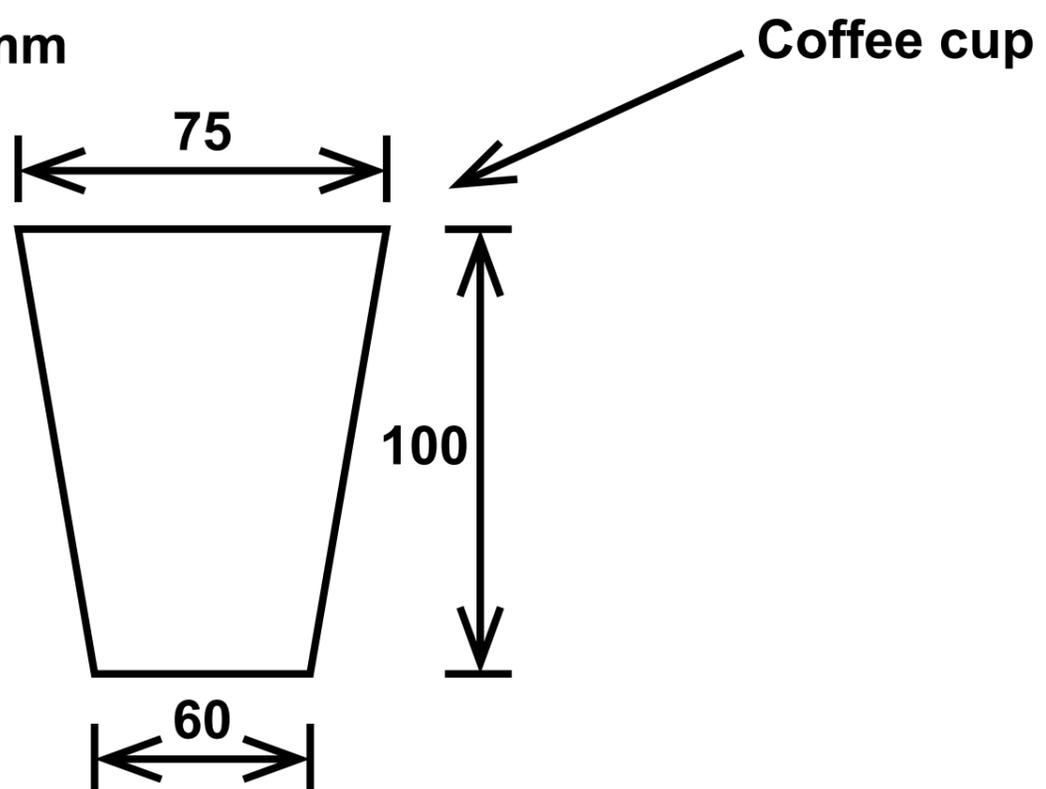


**FIGURE 9**



**Additional information**

**All dimensions in mm**



QUESTION 5 (a)

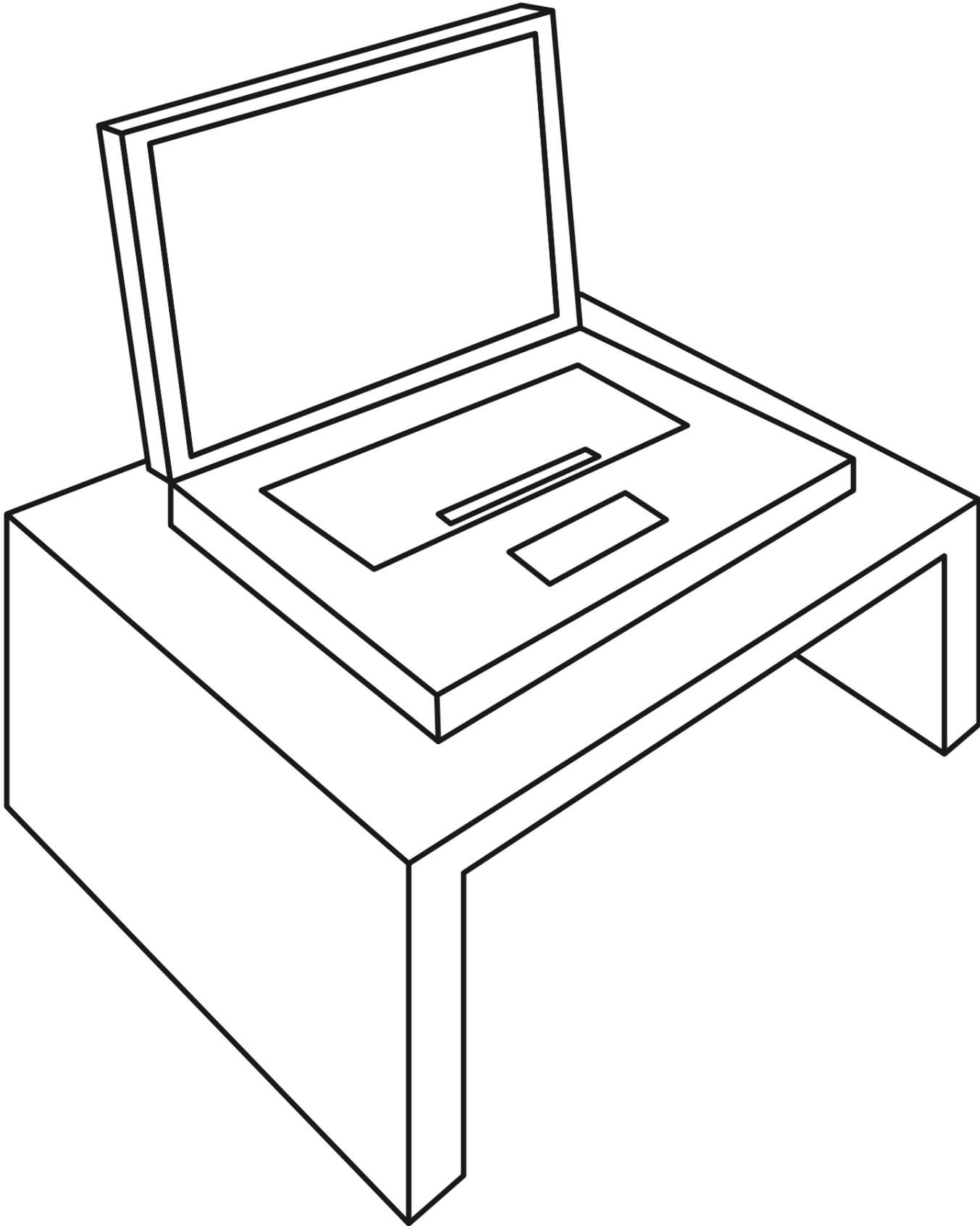


FIGURE 10

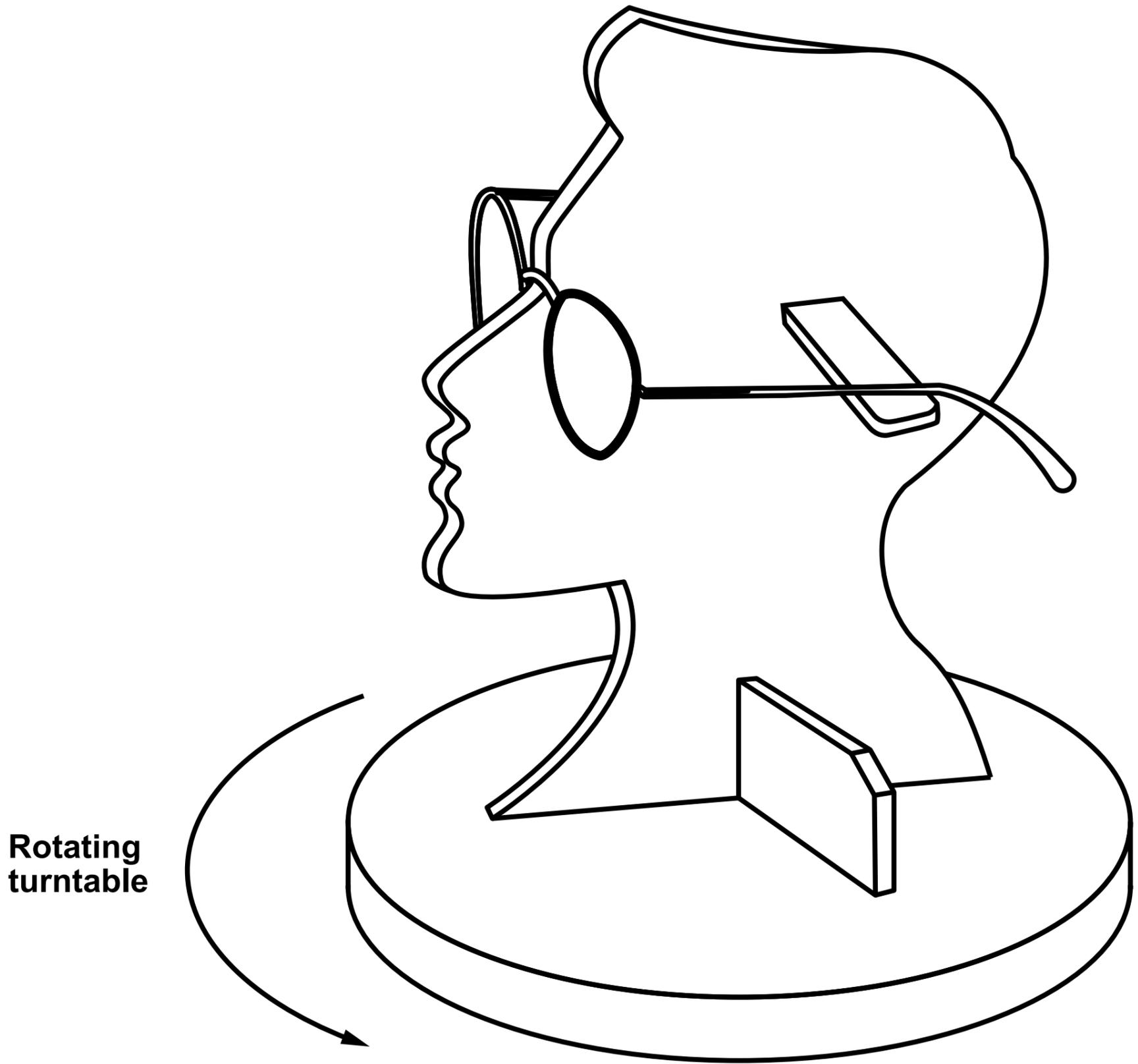
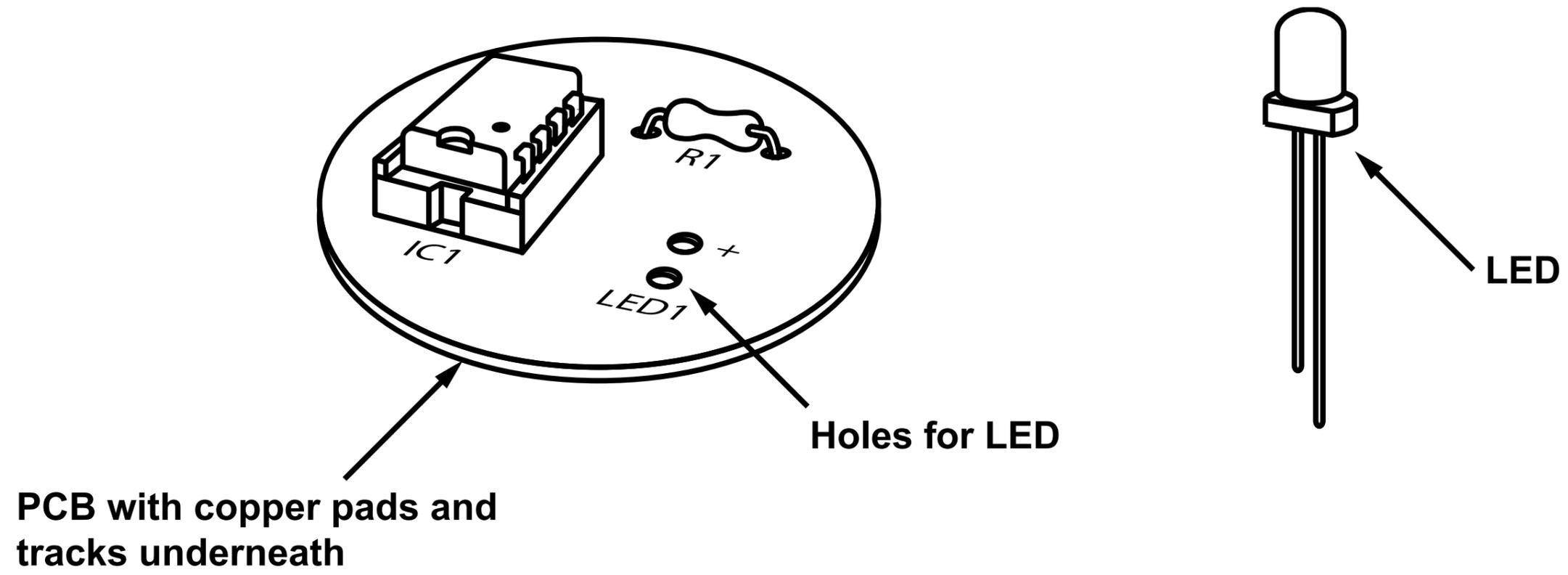
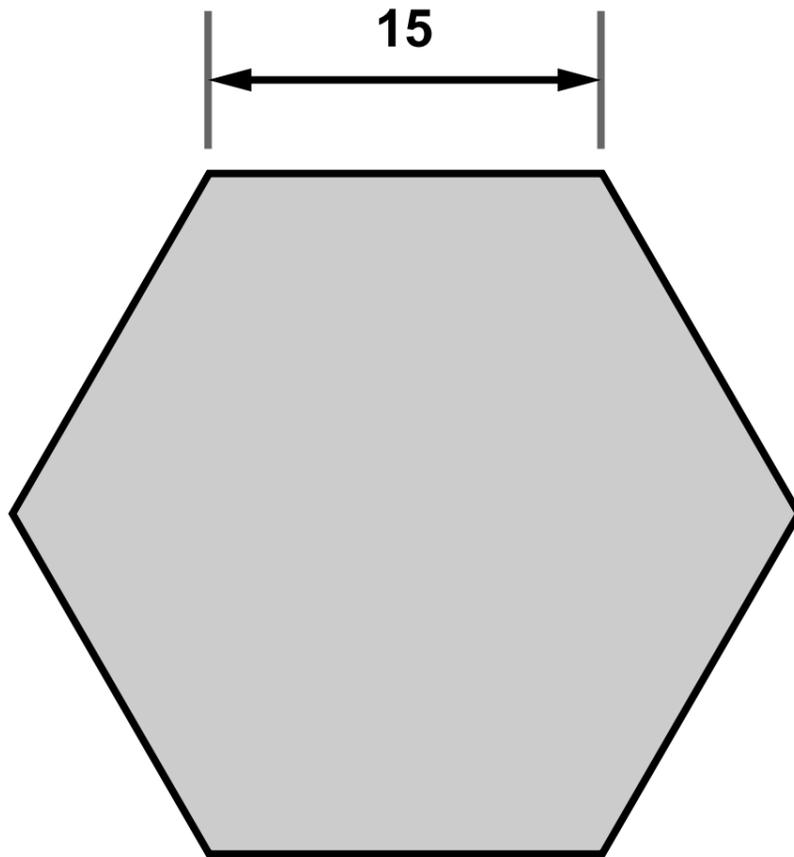


FIGURE 12

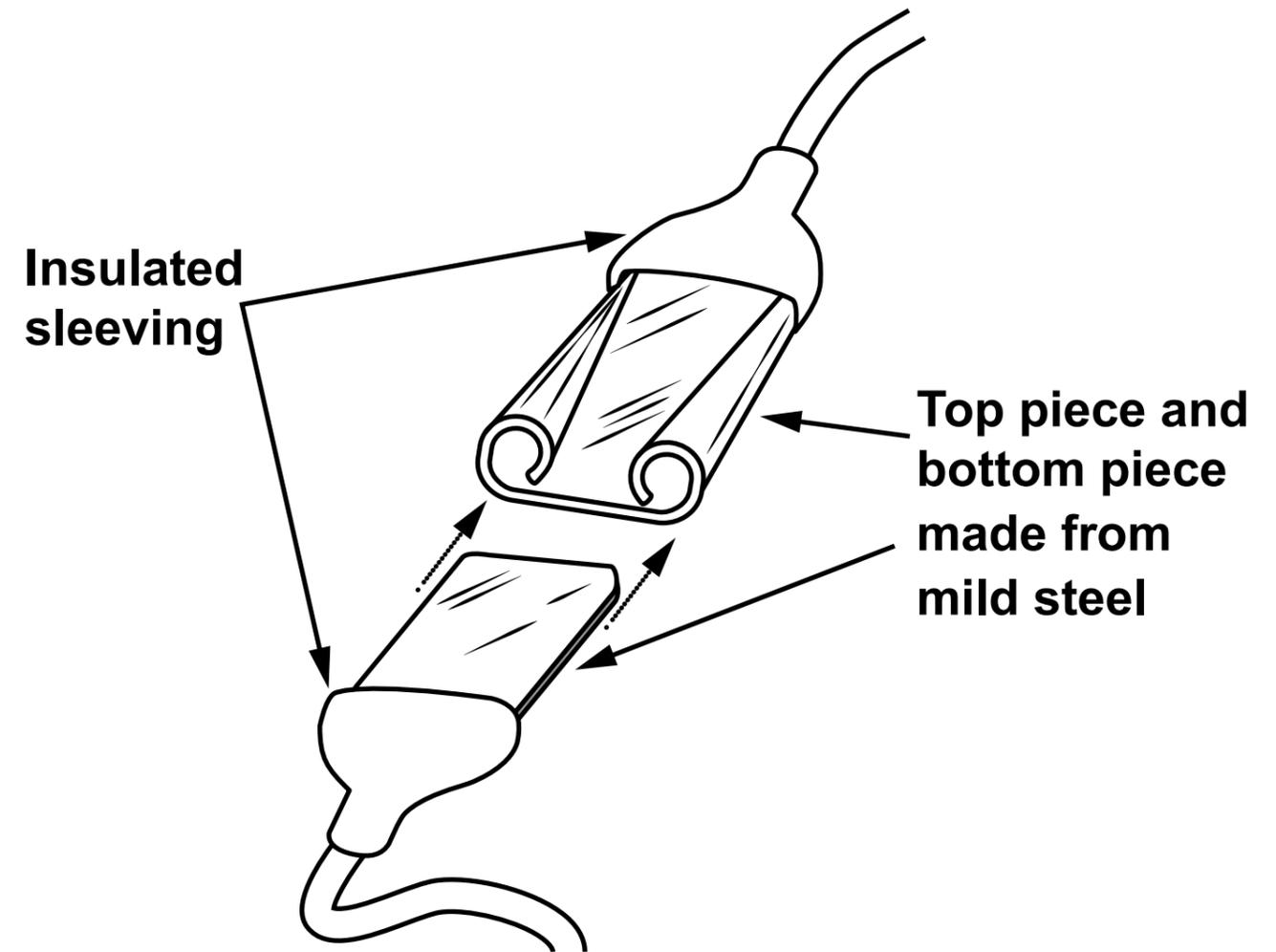
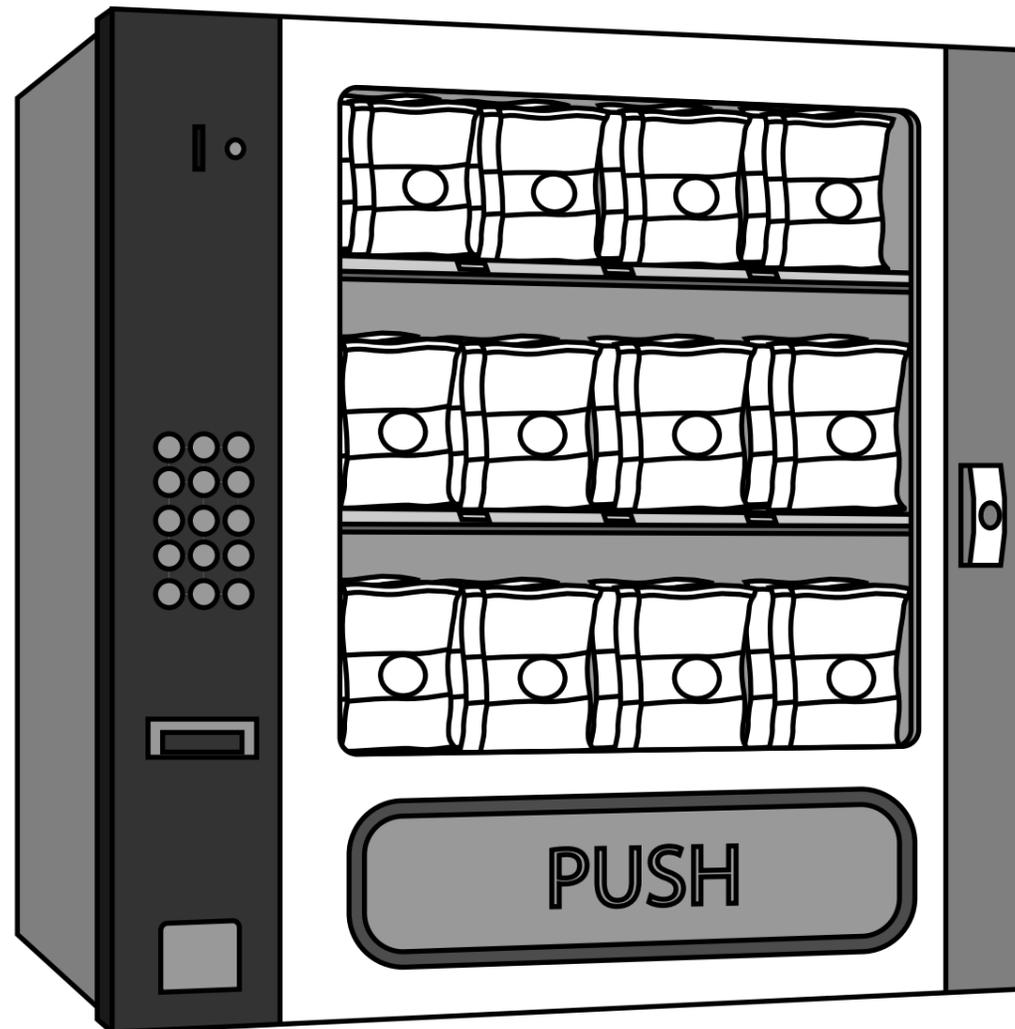


**FIGURE 13**

**All dimensions in mm**



**FIGURE 14**



**Close-up of the large connector**

**FIGURE 15**

**All dimensions in mm  
Diagram not to scale**

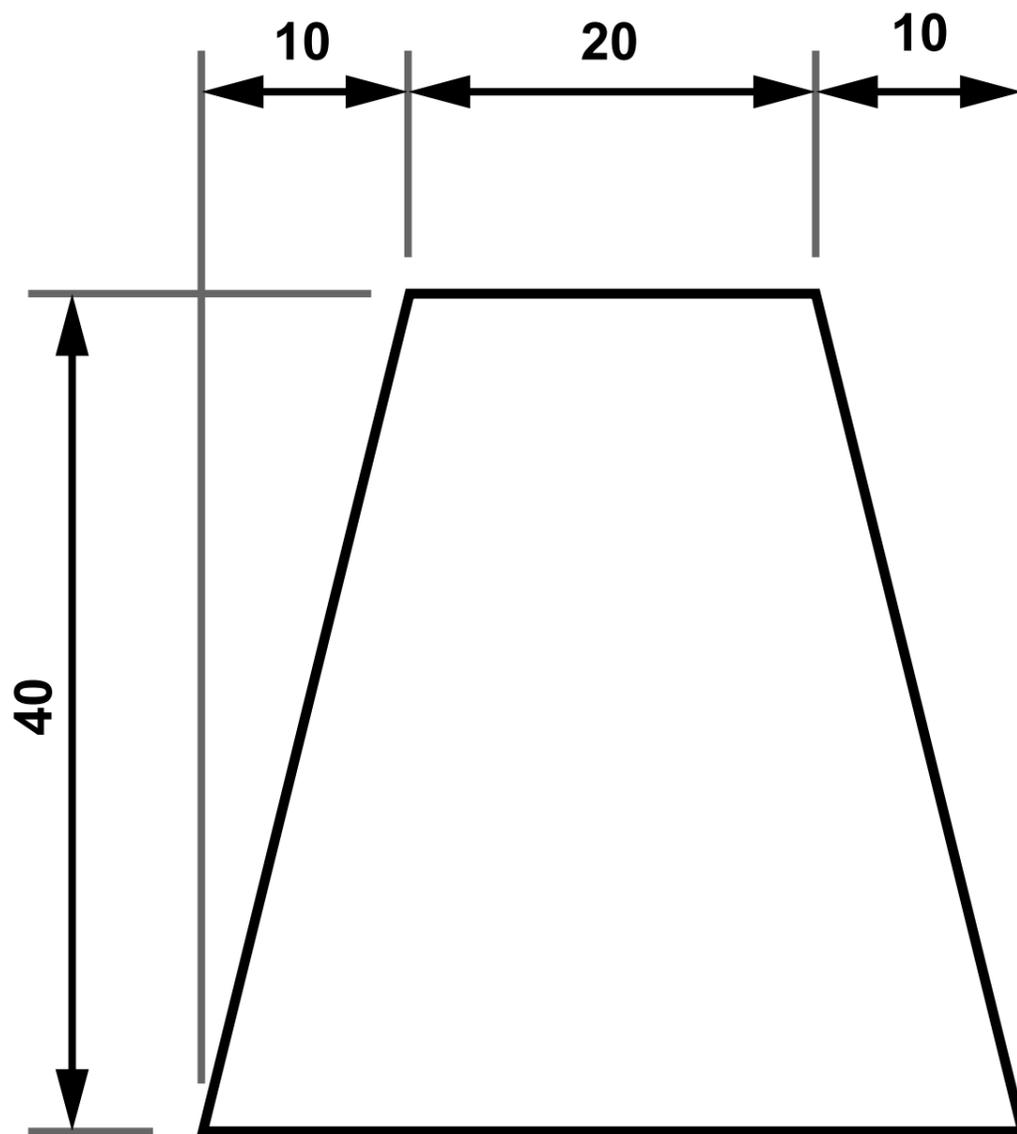
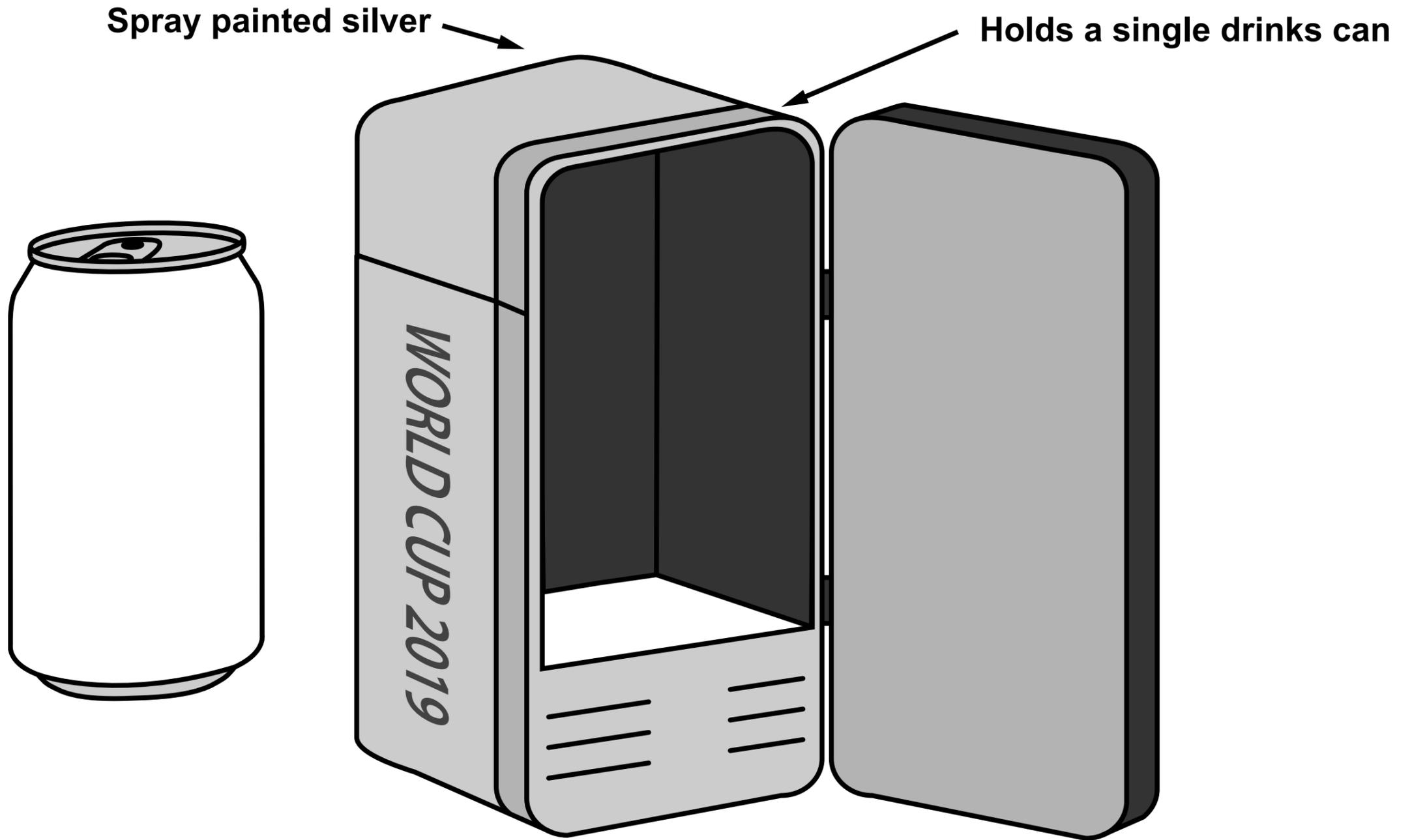


FIGURE 16



**FIGURE 17**

<b>SCALE OF PRODUCTION</b>	<b>Mass</b>
<b>MATERIAL/COMPONENTS</b>	<b>HIPS, electronic circuit</b>
<b>MATERIAL SOURCE</b>	<b>Crude oil from Saudi Arabia</b>
<b>SIZE</b>	<b>220mm x 100mm x 100mm</b>
<b>SURFACE FINISH</b>	<b>Spray painted</b>