

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

**Friday 24 May 2019**

**Paper Reference 1DT0/1E**

**Design and Technology**

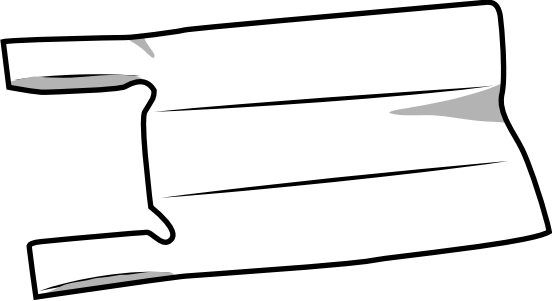
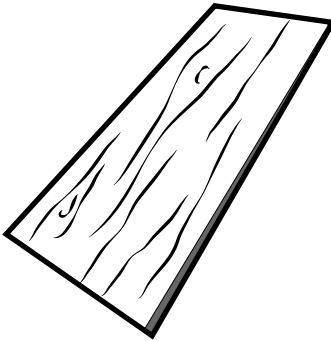
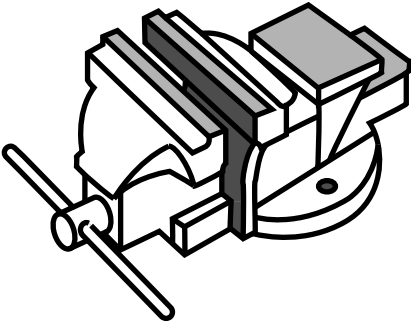

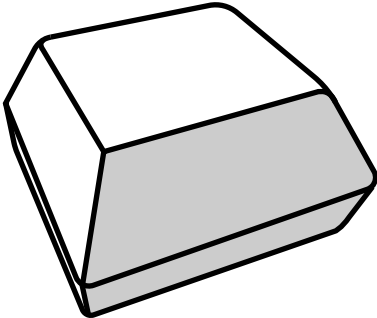
**Component 1: Textiles**

**DIAGRAM BOOKLET**

**Write your name, centre number and candidate number in the boxes below.**

|                          |  |  |  |  |  |
|--------------------------|--|--|--|--|--|
| <b>Candidate Surname</b> |  |  |  |  |  |
| <b>Other names</b>       |  |  |  |  |  |
| <b>Centre No.</b>        |  |  |  |  |  |
| <b>Candidate No.</b>     |  |  |  |  |  |

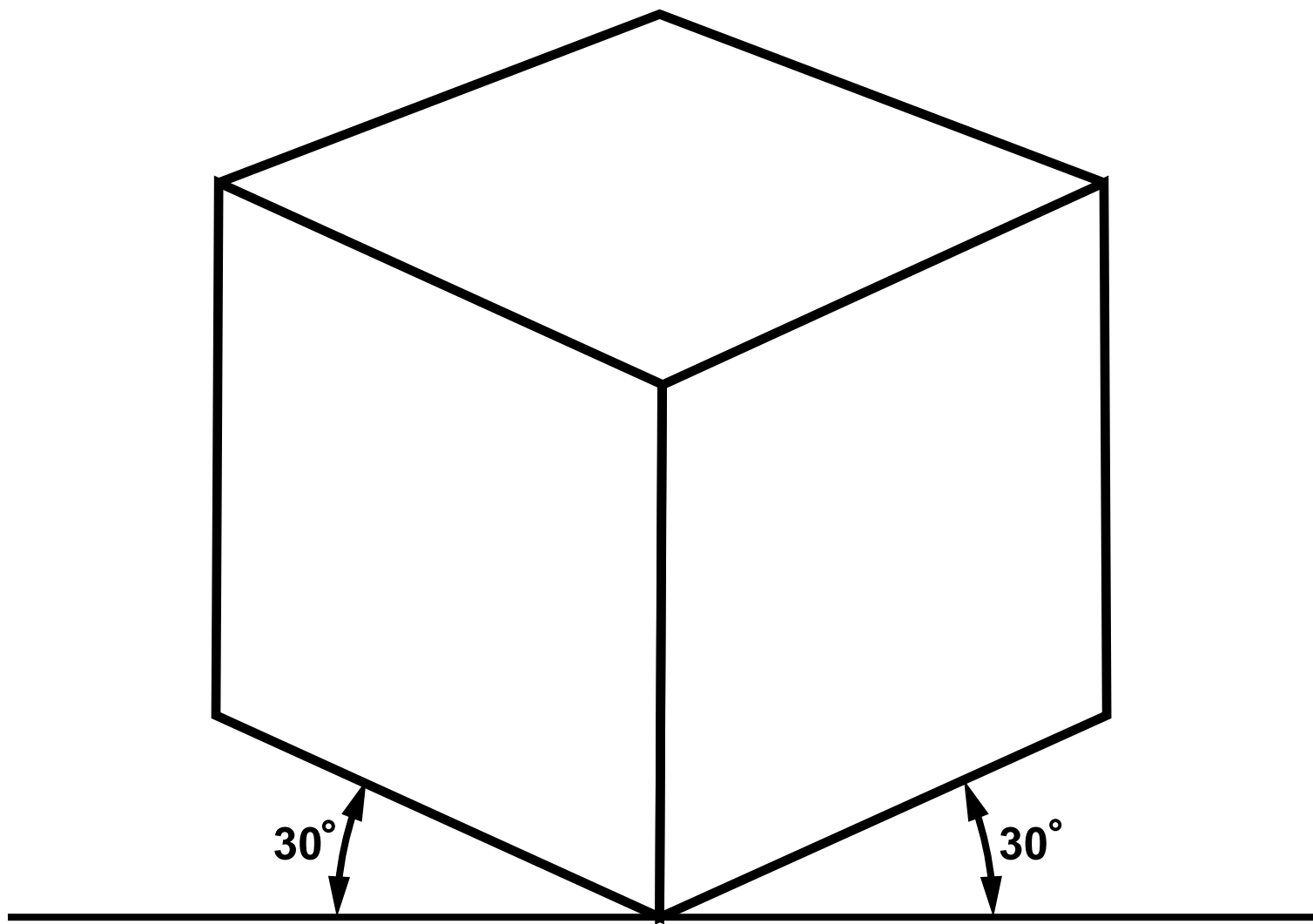
FIGURE 1

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

**FIGURE 2**

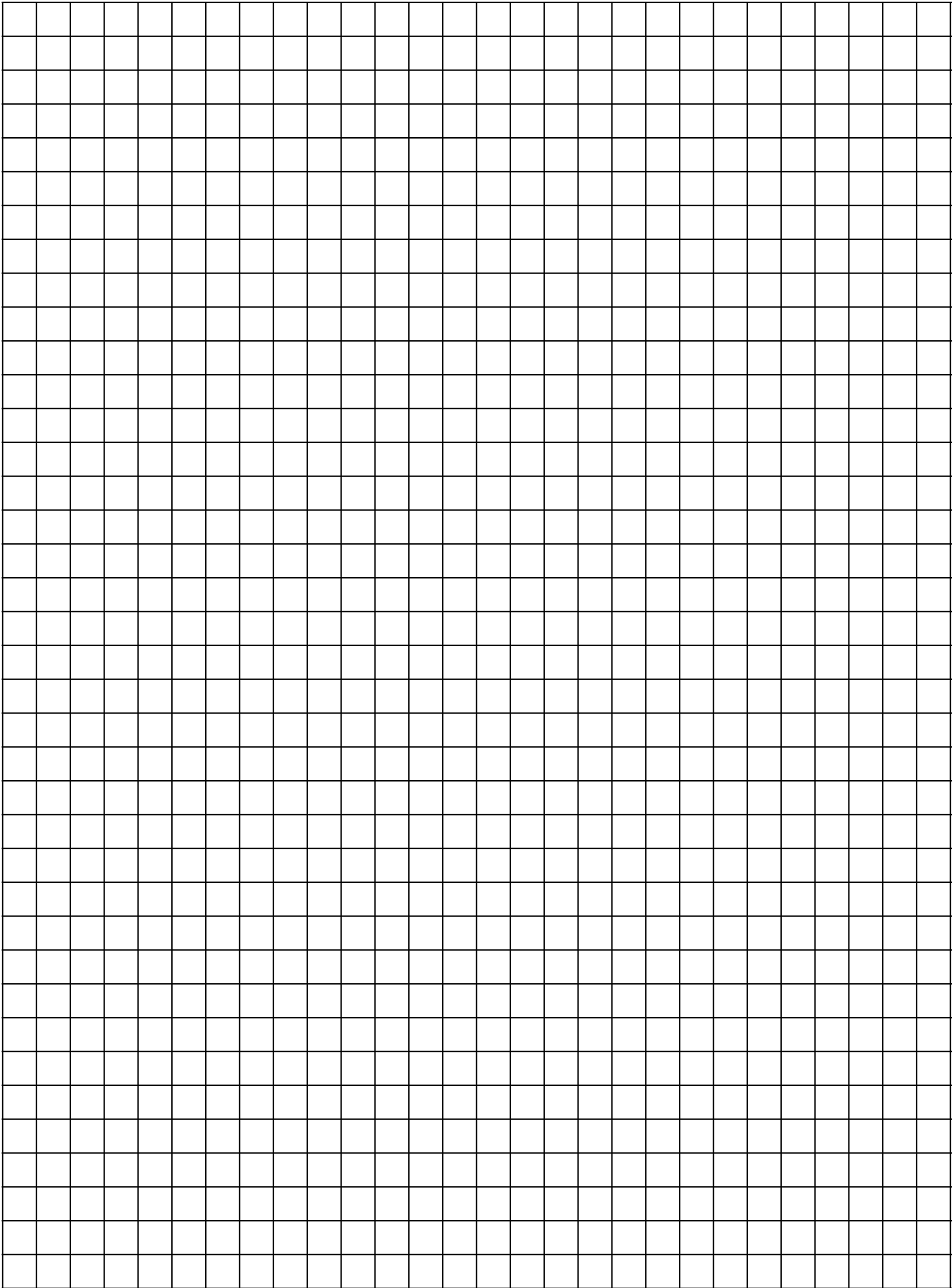
| <b>YEAR</b> | <b>NUMBER OF BAGS GIVEN AWAY<br/>(BILLIONS)</b> |
|-------------|---|
| <b>2014</b> | <b>7.6</b>                                      |
| <b>2015</b> | <b>5.4</b>                                      |

FIGURE 3

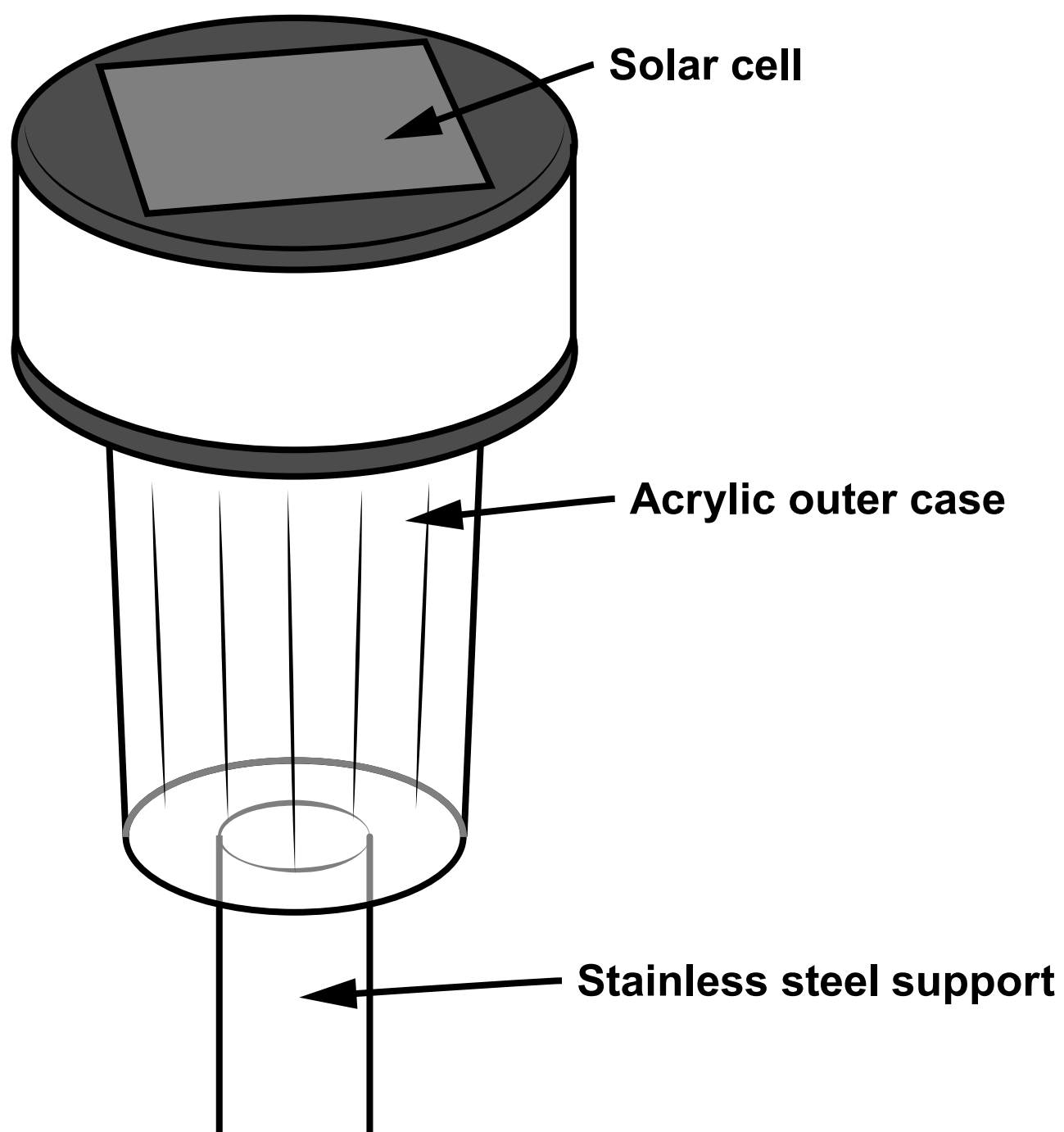


Question 2 (c)

EACH SQUARE REPRESENTS 10 mm



**FIGURE 4**



**FIGURE 5**

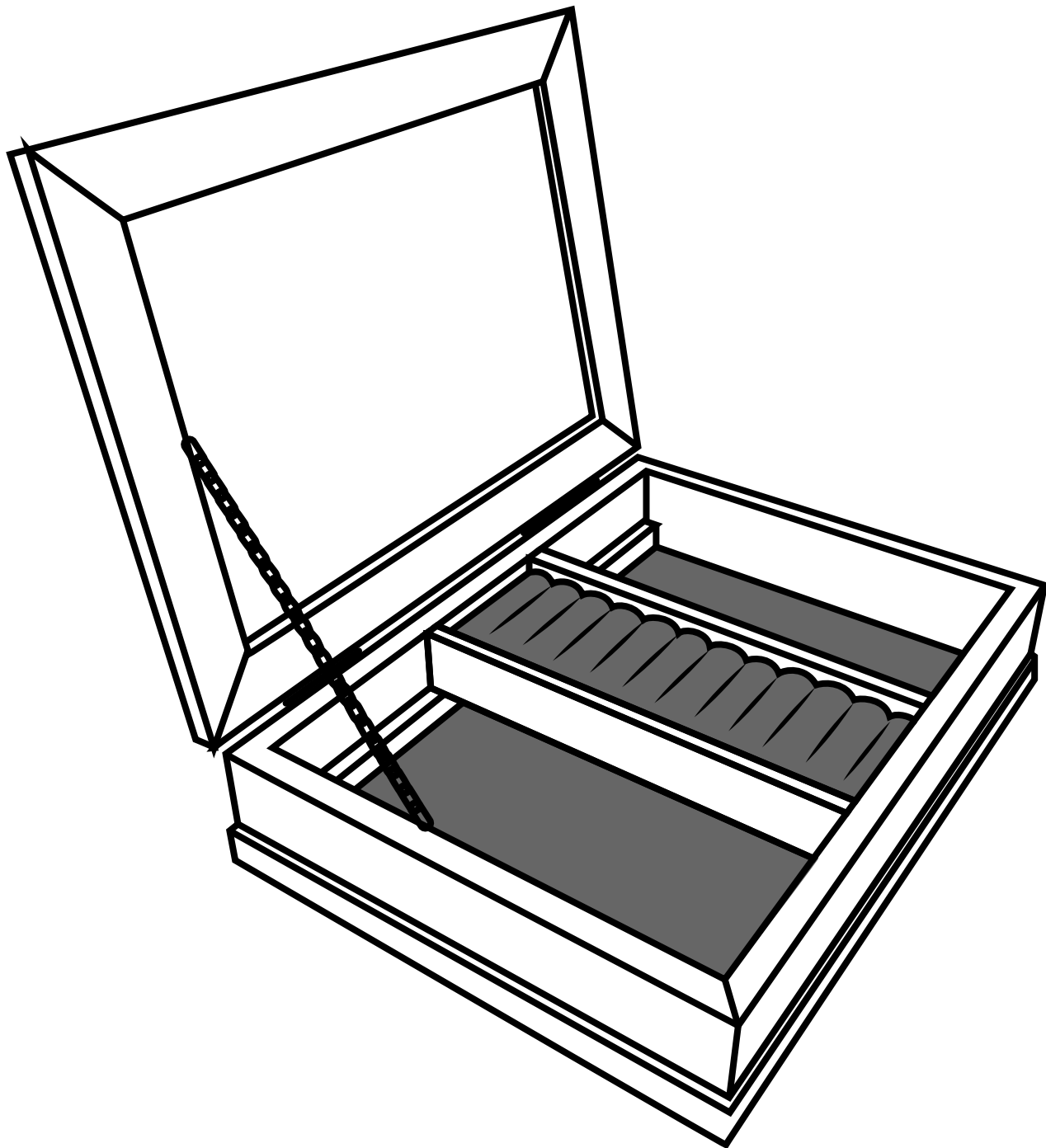
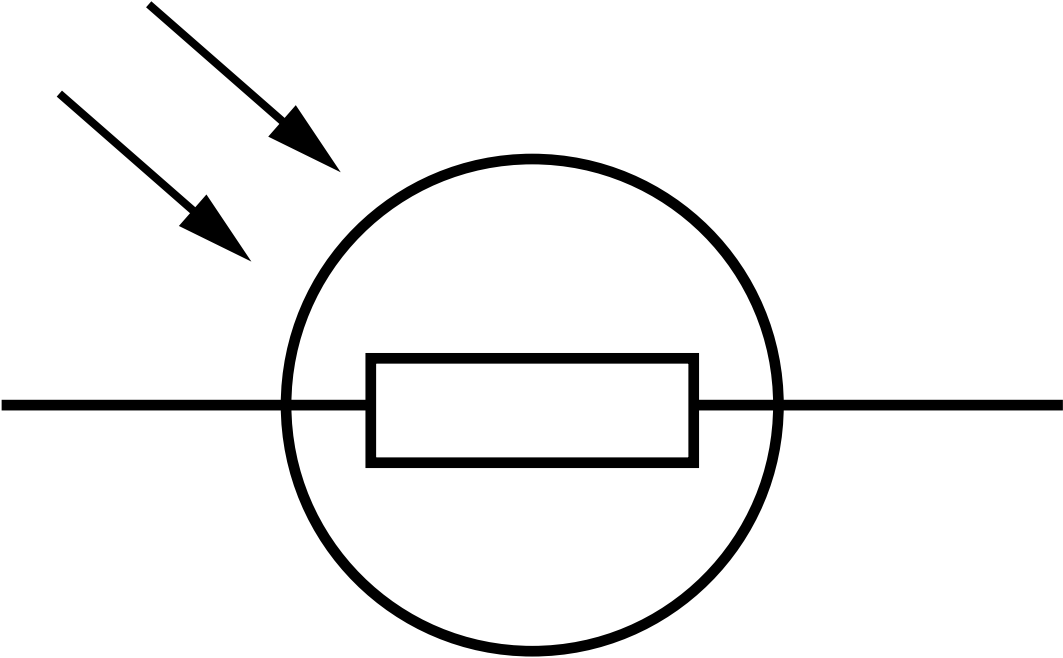
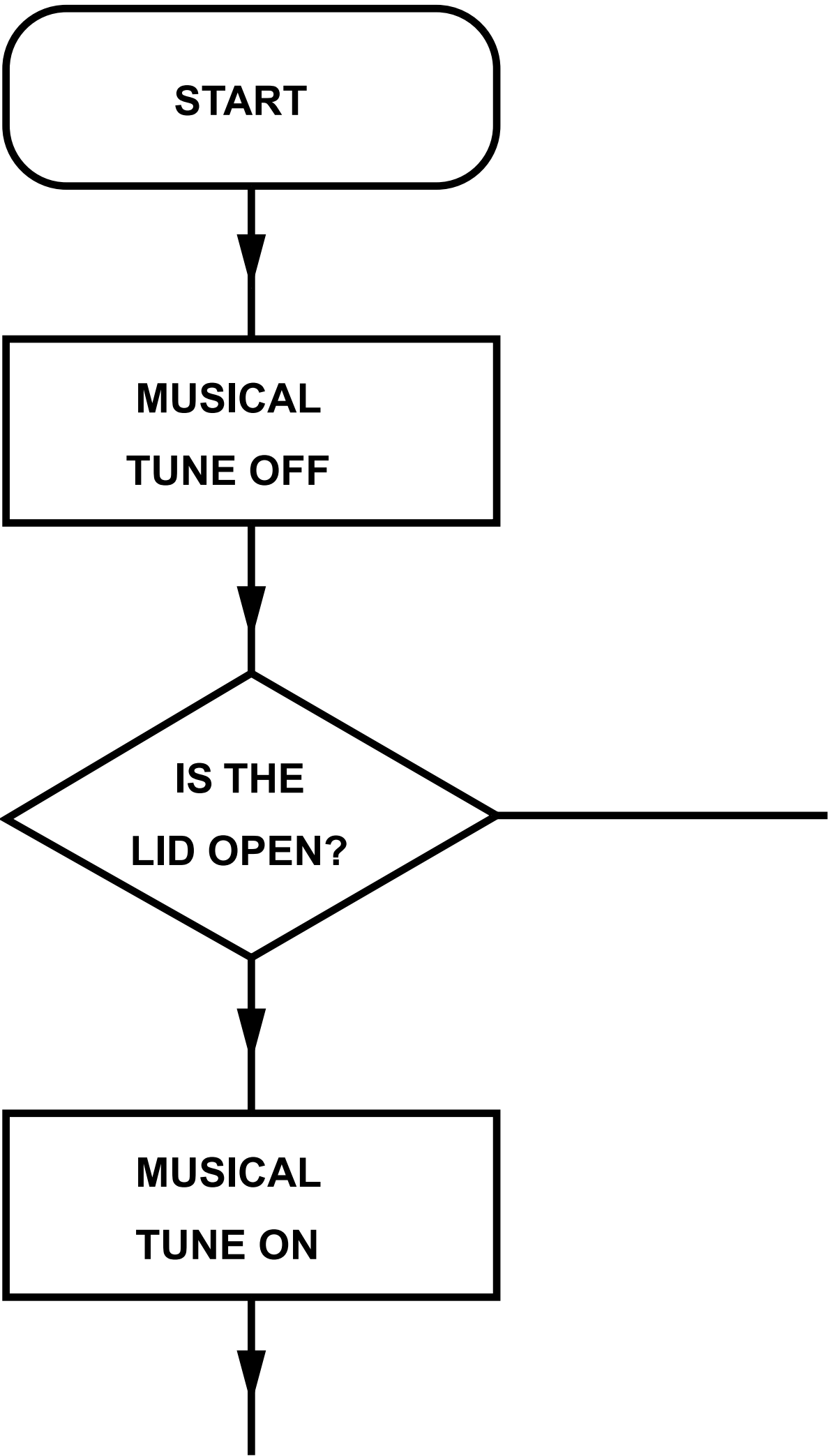


FIGURE 6





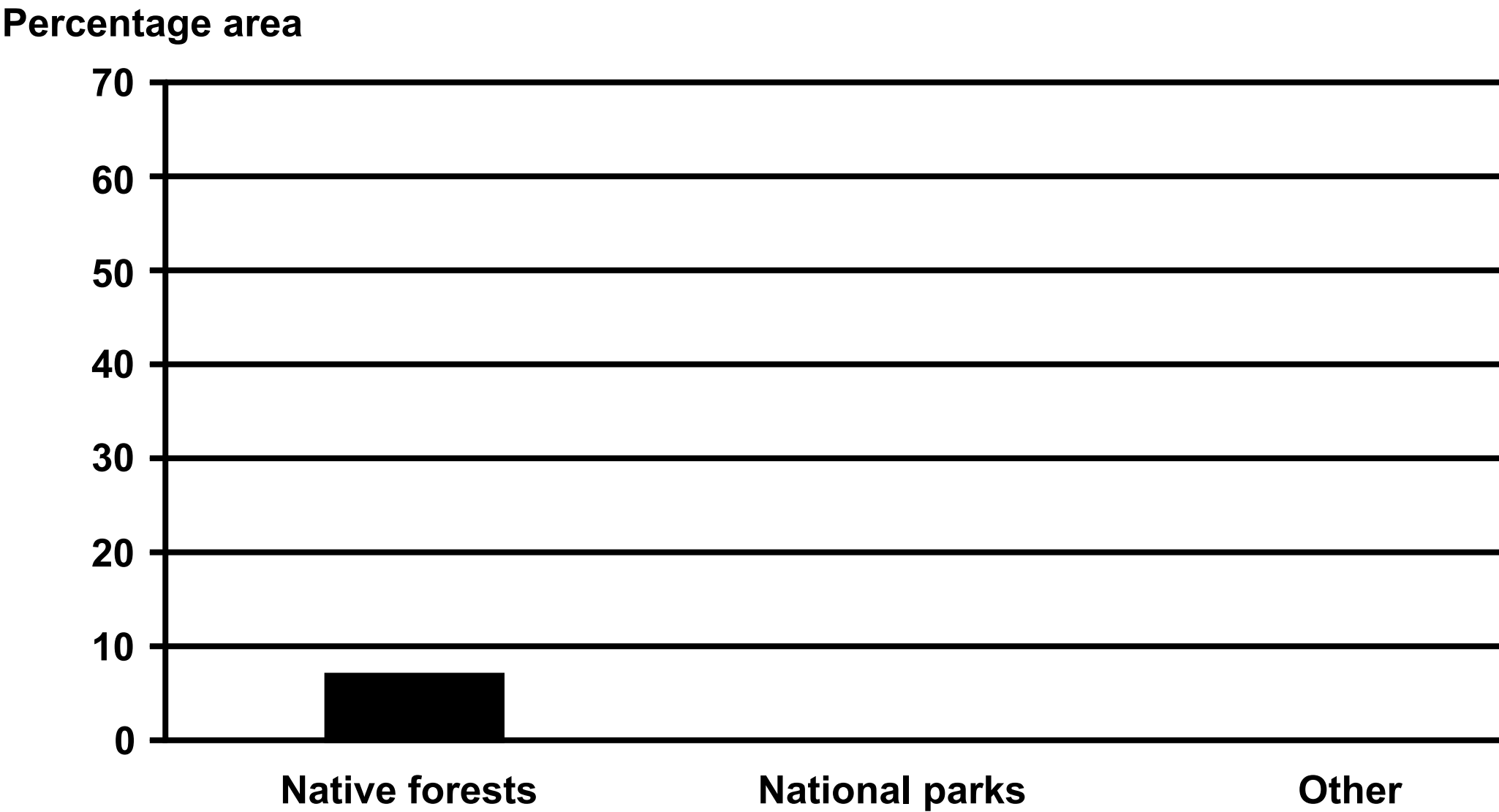
**FIGURE 7**



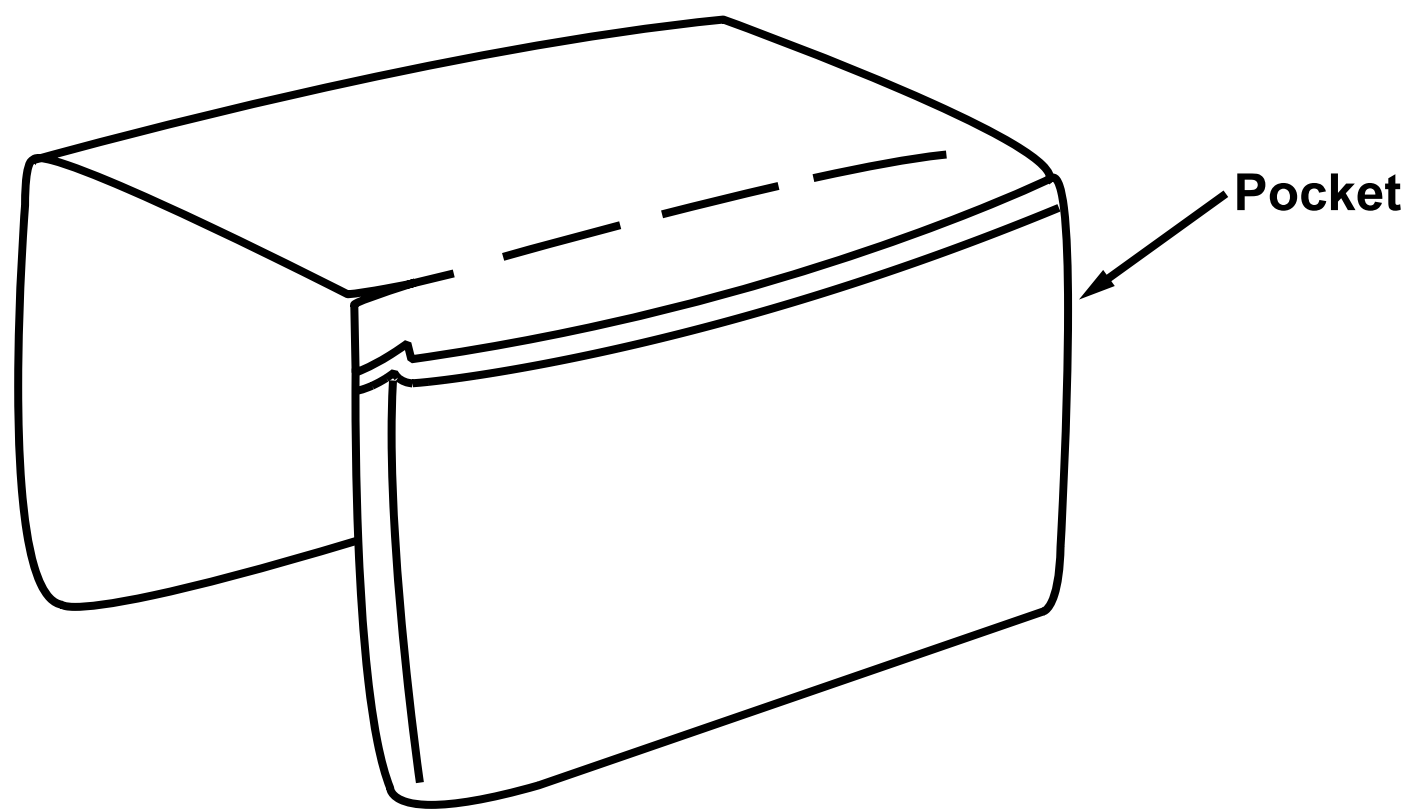
**FIGURE 8**

| <b>SOURCES OF MAHOGANY</b> | <b>PERCENTAGE GROWN IN<br/>EACH AREA (%)</b> |
|----------------------------|--|
| <b>Native forests</b>      | <b>7</b>                                     |
| <b>National parks</b>      | <b>30</b>                                    |
| <b>Other</b>               | <b>63</b>                                    |

Question 4 (b)

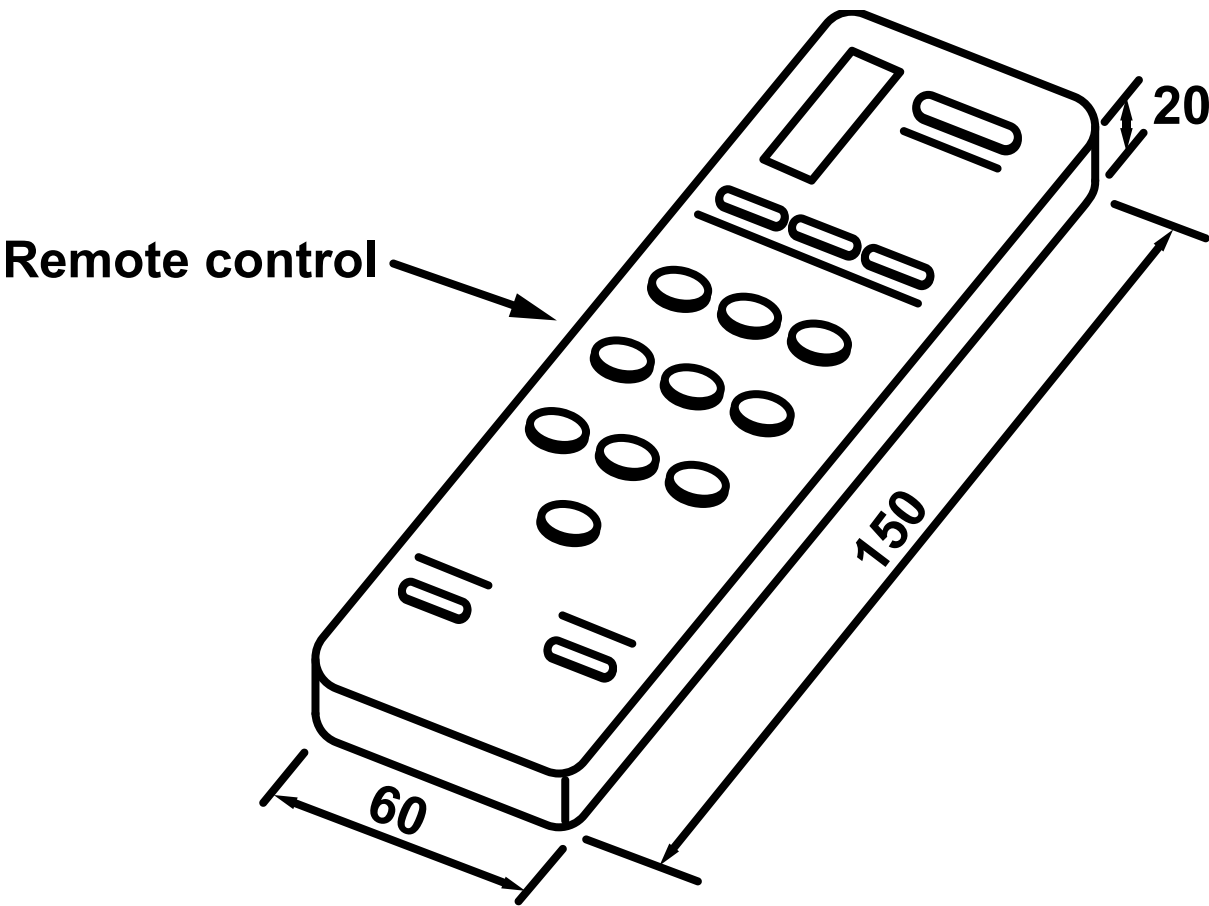


**FIGURE 9**



**Additional information**

**All dimensions in mm**



**Question 5 (a)**

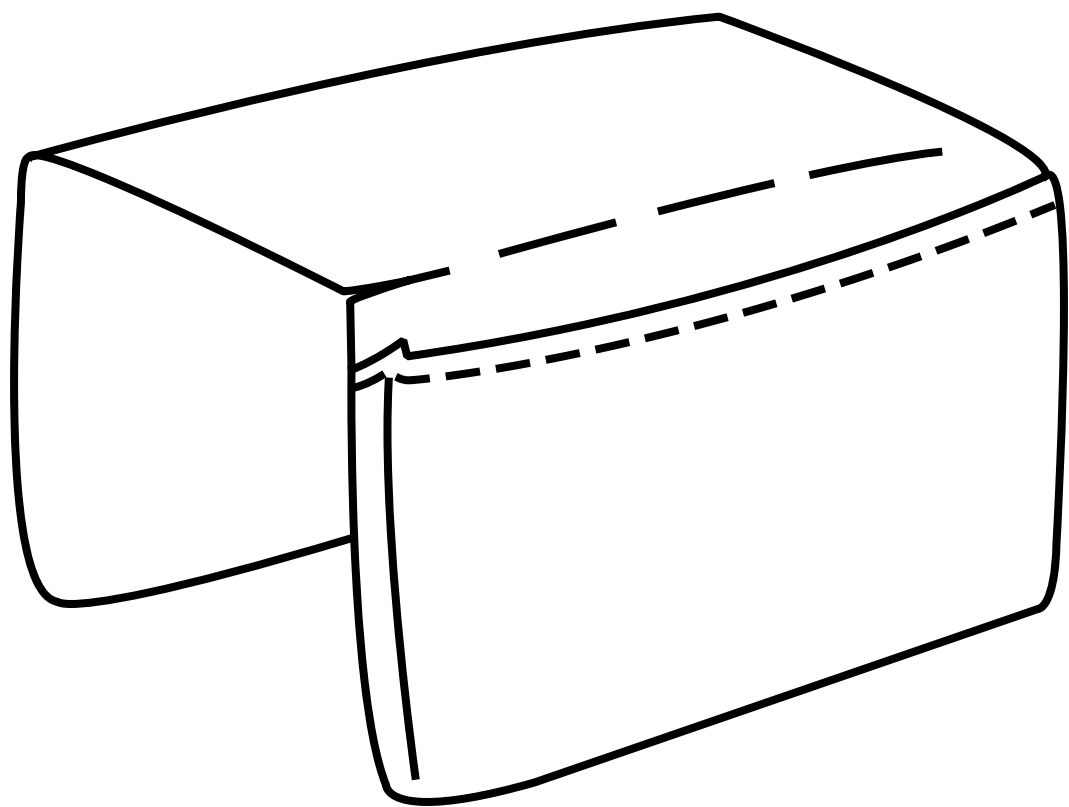
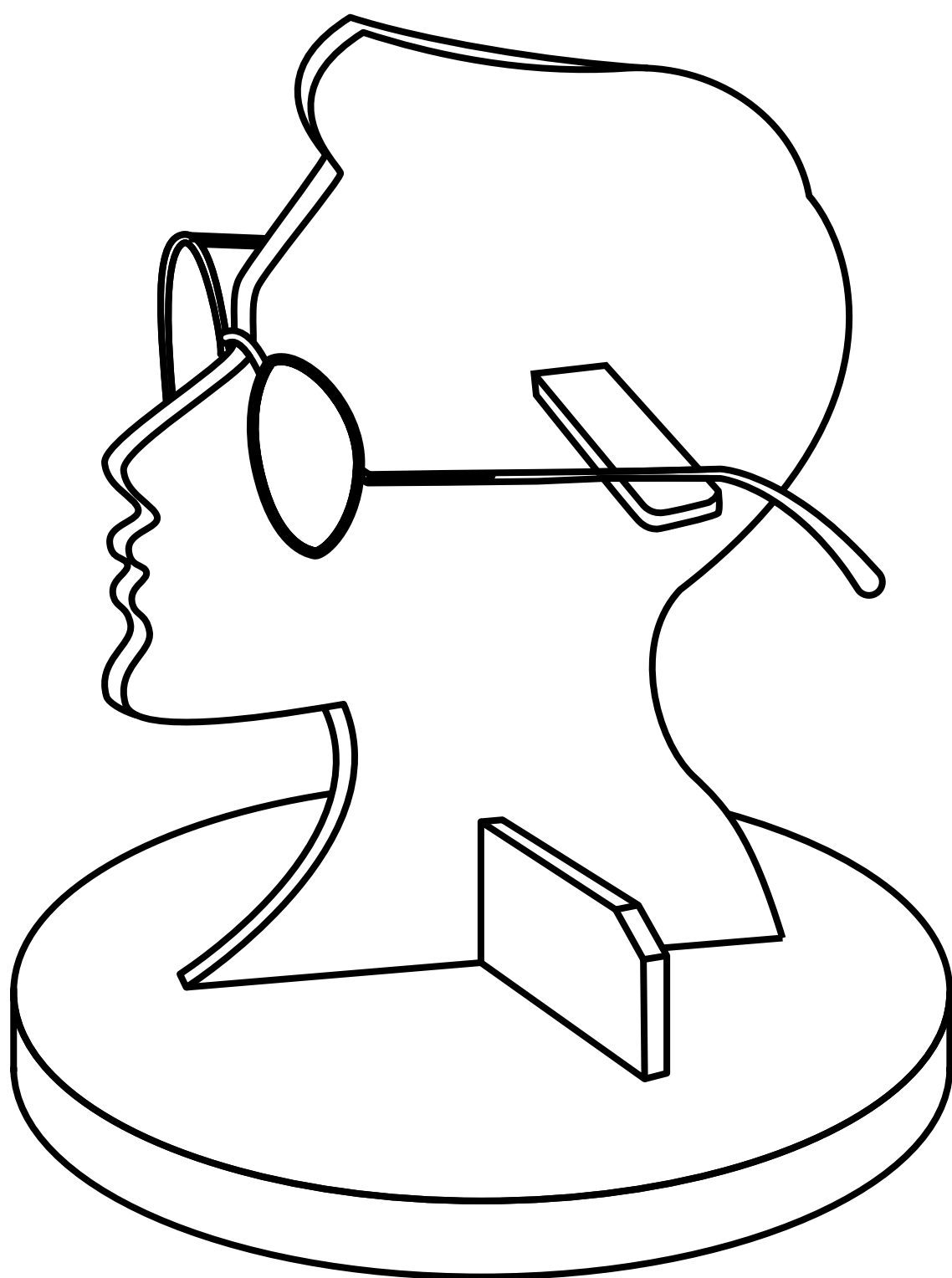


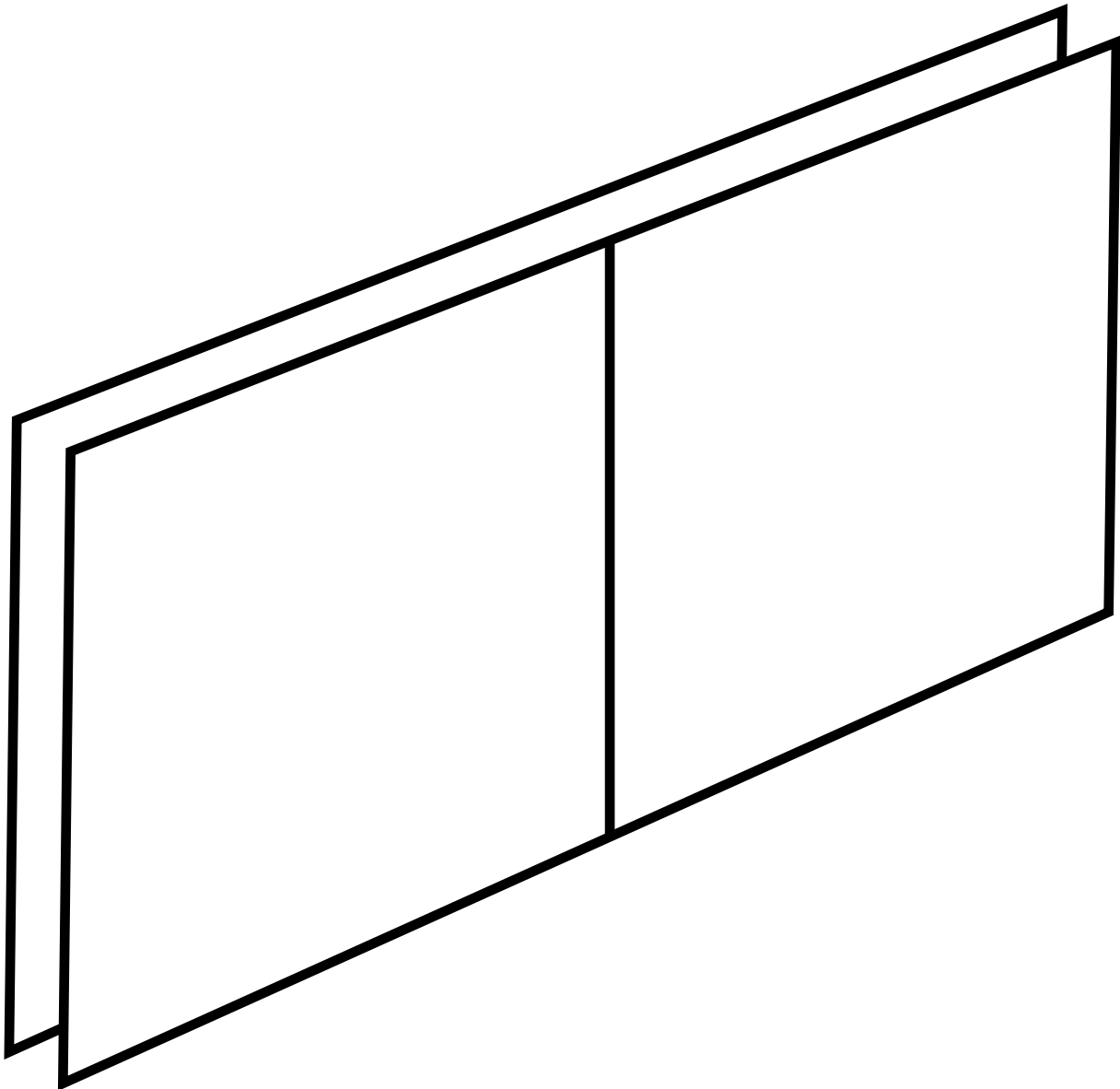
FIGURE 10



**FIGURE 11**

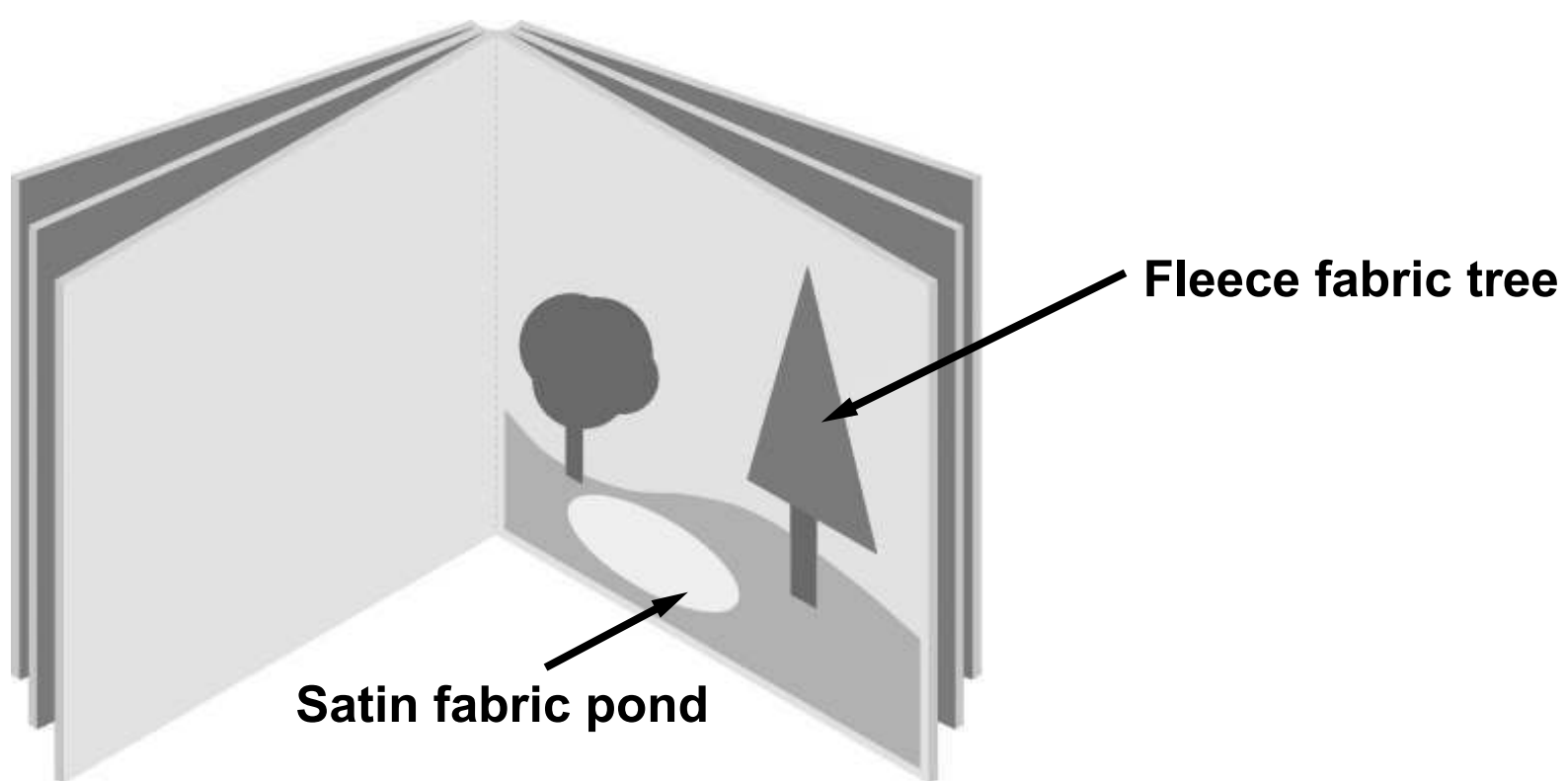


FIGURE 12





**FIGURE 13**



**FIGURE 14**

**All dimensions in mm**

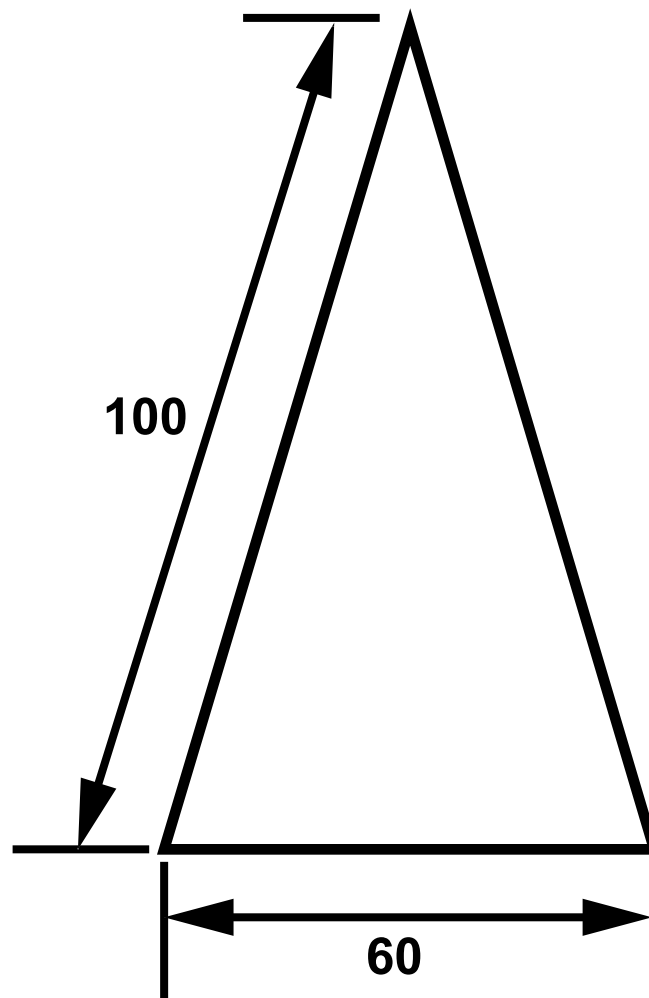
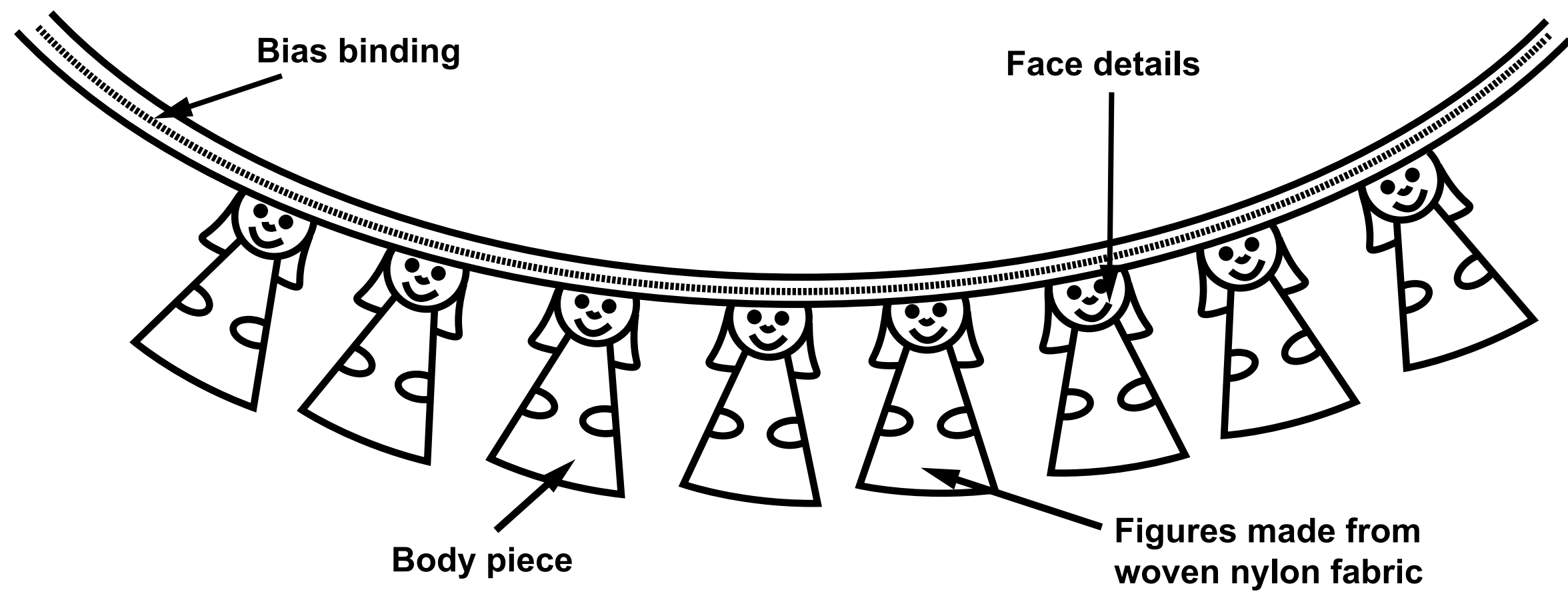


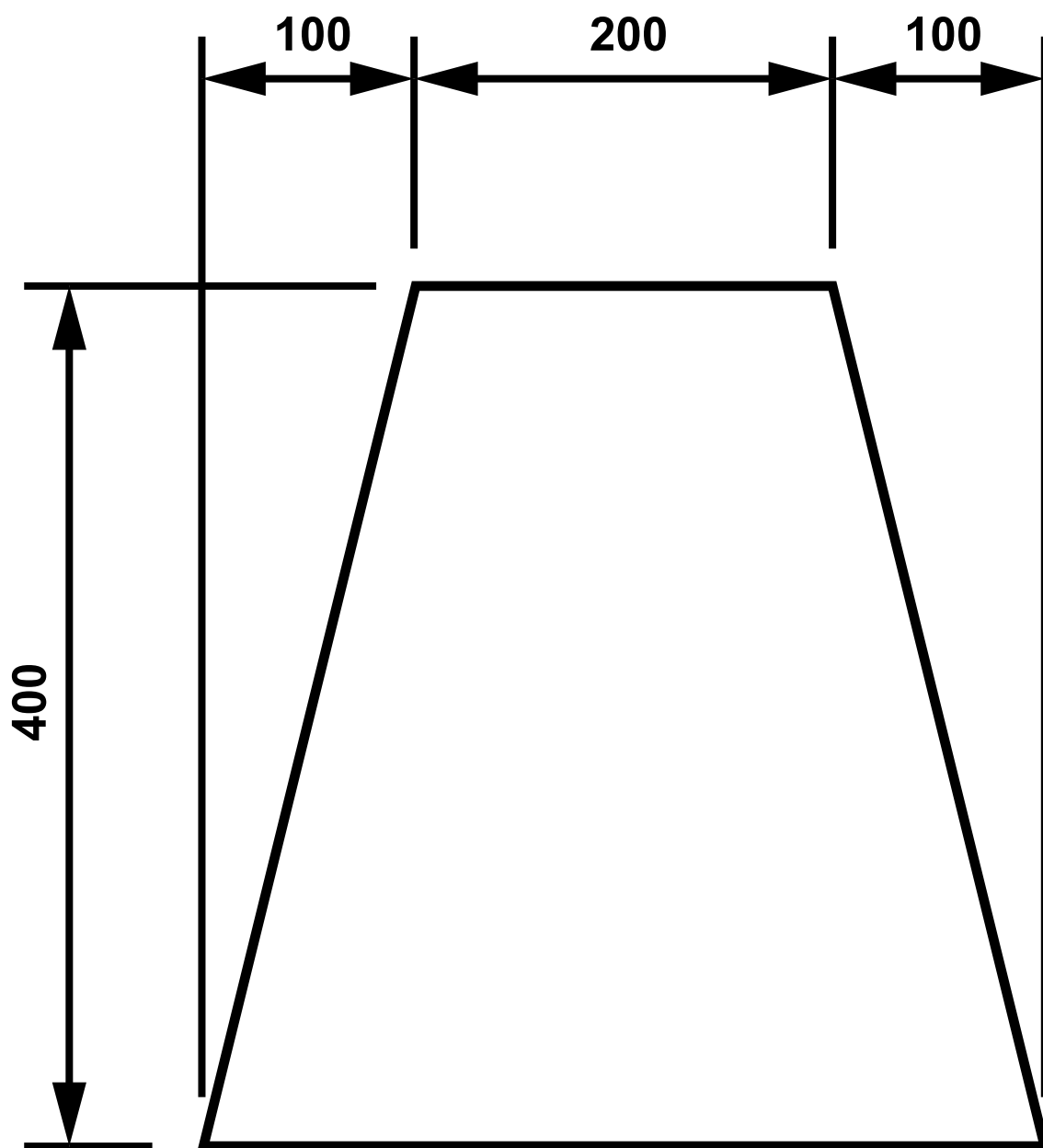
FIGURE 15



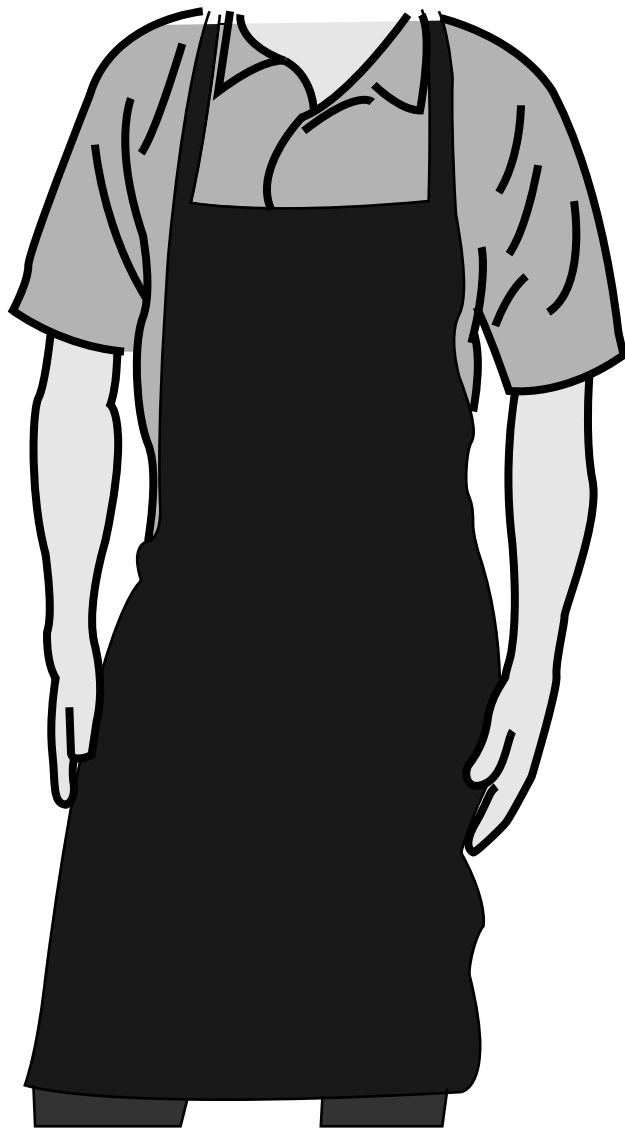
**FIGURE 16**

**All dimensions in mm**

**Diagram not to scale**



**FIGURE 17**



**FIGURE 18**

|                            |   |
|----------------------------|---|
| <b>SCALE OF PRODUCTION</b> | <b>Mass</b>   |
| <b>MATERIAL</b>            | <b>Woven twill cotton fabric</b>                      |
| <b>MATERIAL SOURCE</b>     | <b>Cotton farms in India, China, Pakistan and USA</b> |
| <b>SIZE</b>                | <b>Available in XS, S, M, L and XL</b>                |
| <b>SURFACE FINISH</b>      | <b>Fireproof coating</b>                              |