

**Paper Reference 1MA1/3F**  
**Pearson Edexcel**  
**Level 1/Level 2 GCSE (9 – 1)**

**Mathematics**  
**Paper 3**  
**(Calculator)**  
**Foundation Tier**

**Tuesday 11 June 2019 – Morning**

**Diagram Book**

**In the boxes below, write your name,  
centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## **INSTRUCTIONS**

**There may be spare copies of some diagrams in case you need them.**

**THIS DIAGRAM BOOK MUST BE  
RETURNED WITH THE QUESTION  
PAPER AT THE END OF THE  
EXAMINATION.**

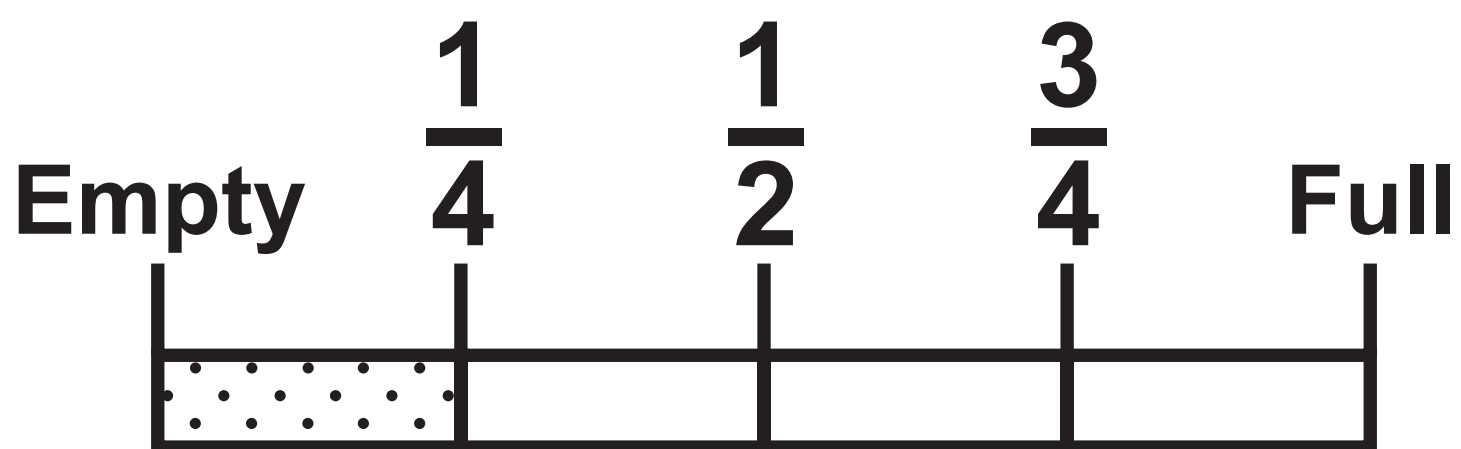
# **Contents**

## **Page**

<b>4</b>	<b>Question 7</b>
<b>5</b>	<b>Question 8</b>
<b>6</b>	<b>Question 11</b>
<b>7</b>	<b>Question 16</b>
<b>8</b>	<b>Question 17</b>
<b>9</b>	<b>Question 18</b>
<b>10</b>	<b>Question 20</b>
<b>11</b>	<b>Question 23</b>
<b>12</b>	<b>Question 24</b>
<b>13</b>	<b>Question 24 (Spare copy)</b>
<b>14</b>	<b>Question 26(b)</b>
<b>15</b>	<b>Question 26(b) (Spare copy)</b>
<b>16</b>	<b>Question 27</b>
<b>17</b>	<b>Question 28</b>
<b>18</b>	<b>Question 29</b>

Type of counter	Number of counters
red circle	16
green circle	26
red square	11
green square	7

# Question 8



Type of service	Cost
Express	£15·25
Rapid	£35·38

Question 16

Diagram 1

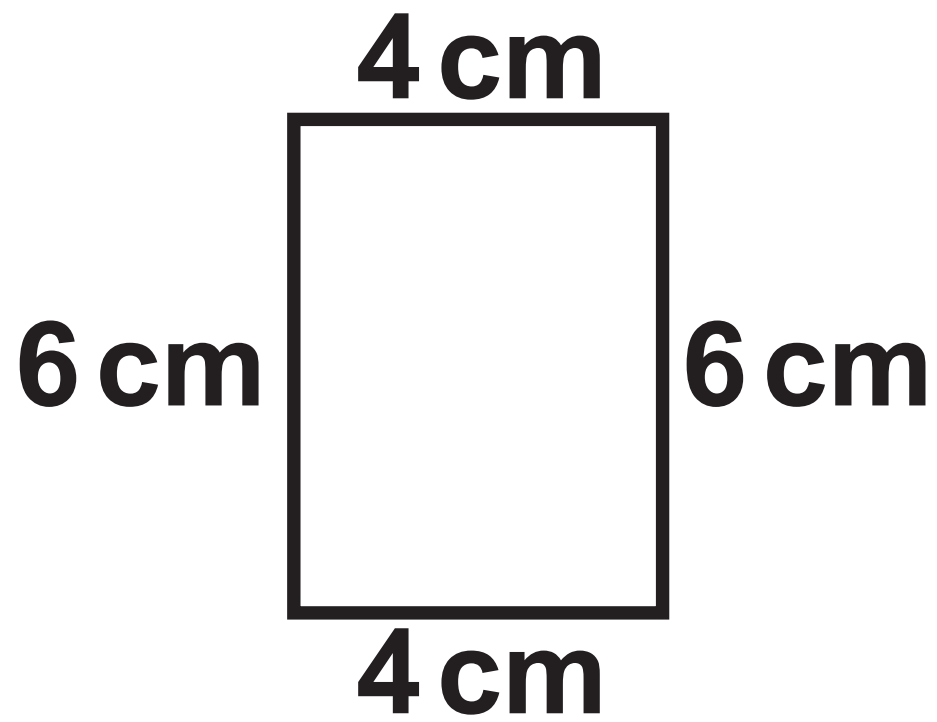
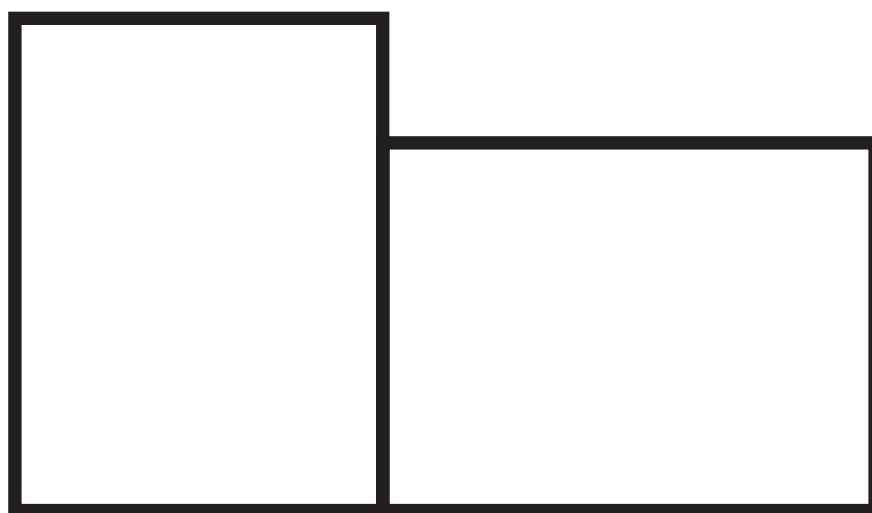
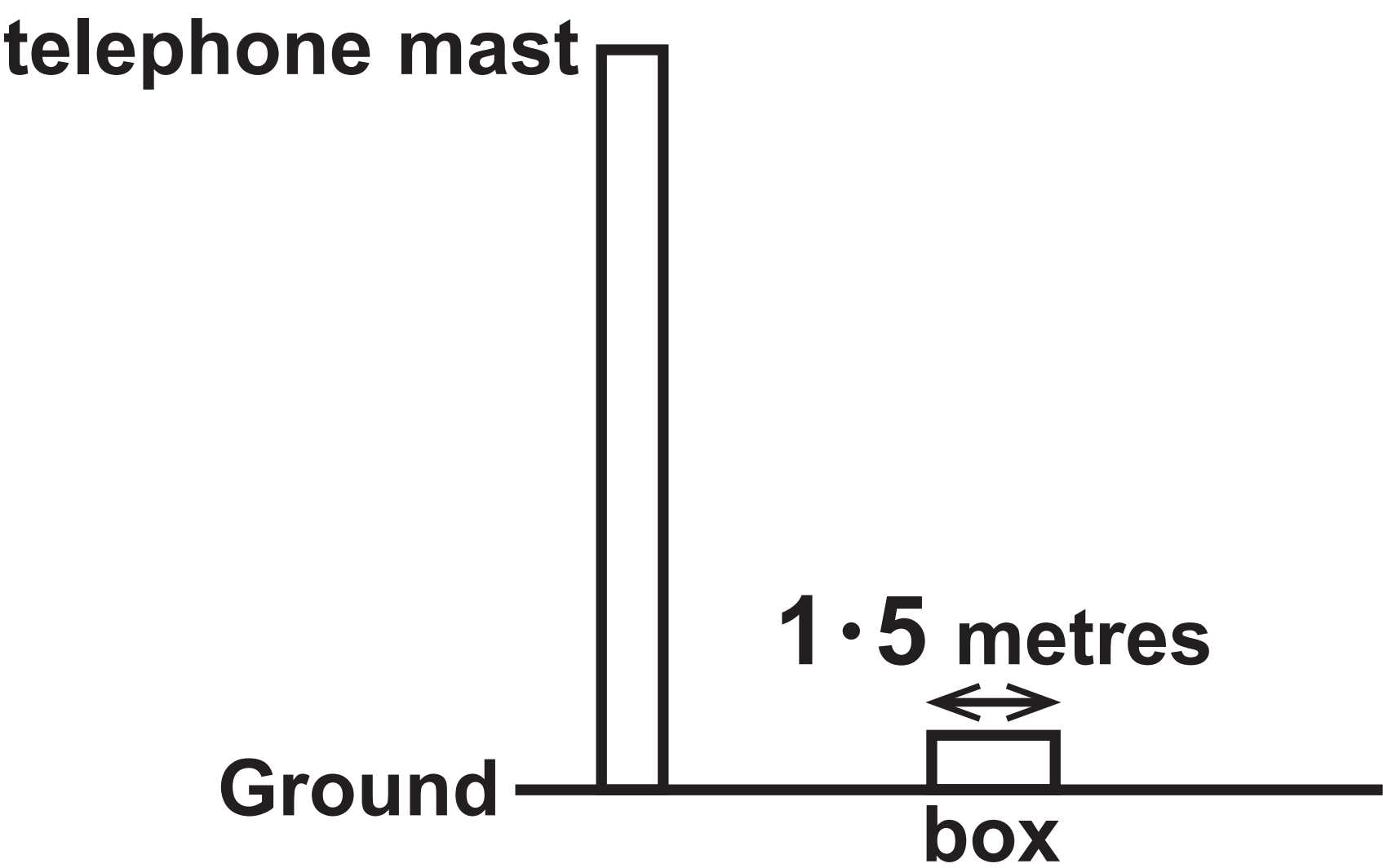


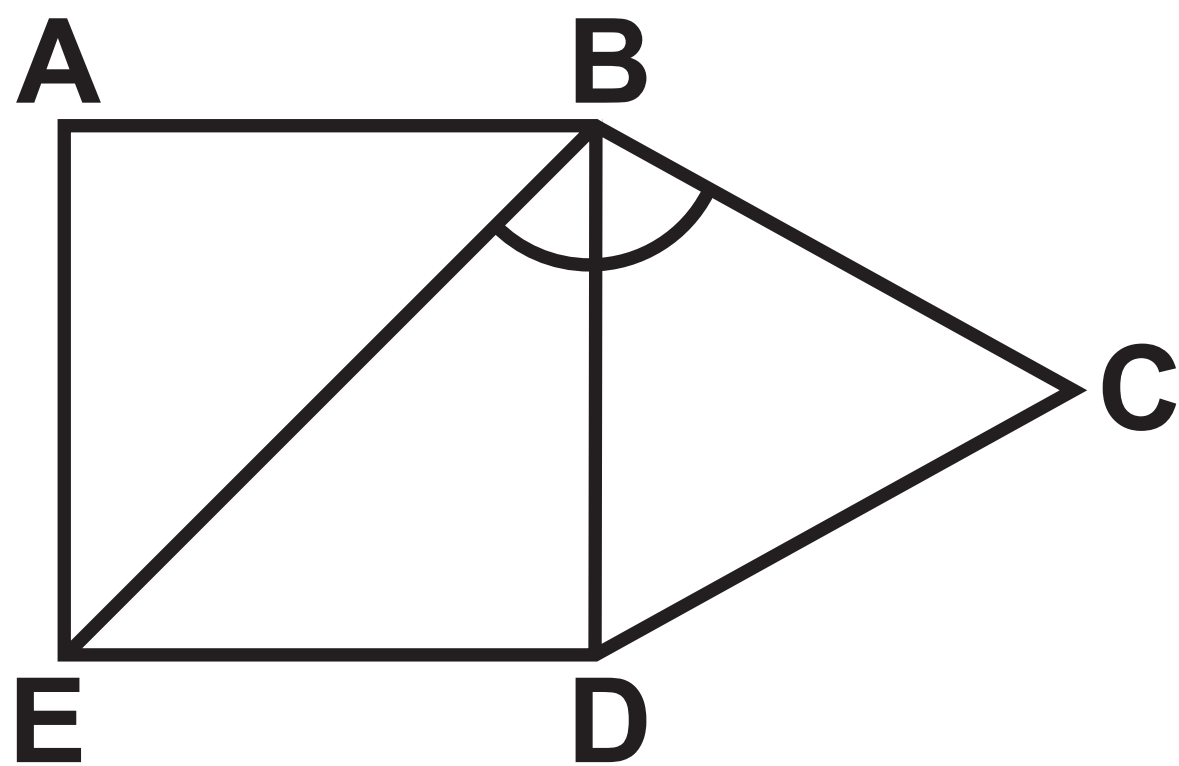
Diagram 2







Number of points	Frequency
0	4
1	3
2	7
3	5
4	6
5	5



## Question 23

On Monday three shop owners buy mints from Costcorp.

Each shop owner buys small packets, medium packets and large packets of mints.

Alan buys **400** packets of mints.

**32%** are small packets.

**40%** are large packets.

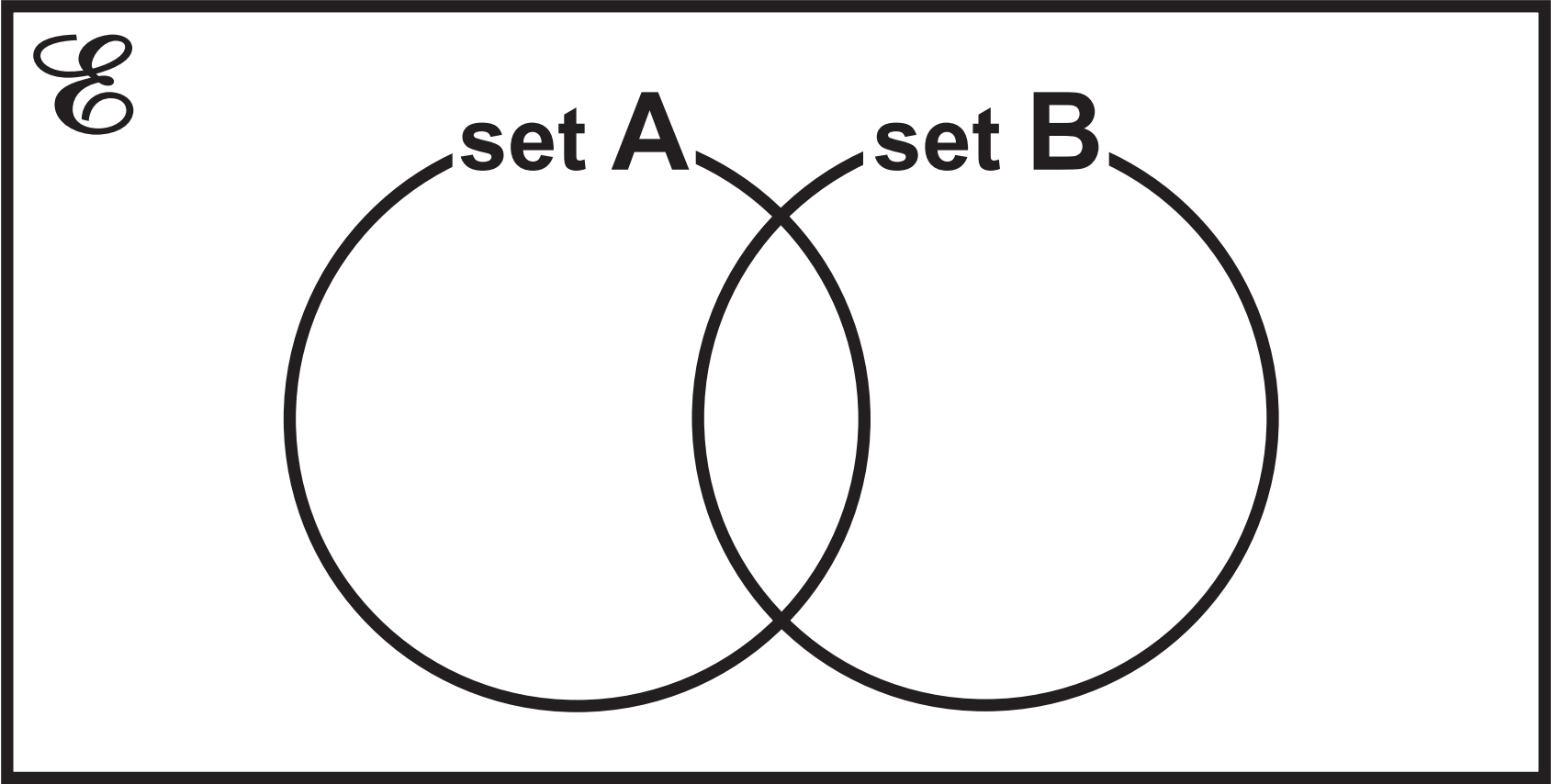
Beryl buys **500** packets of mints.

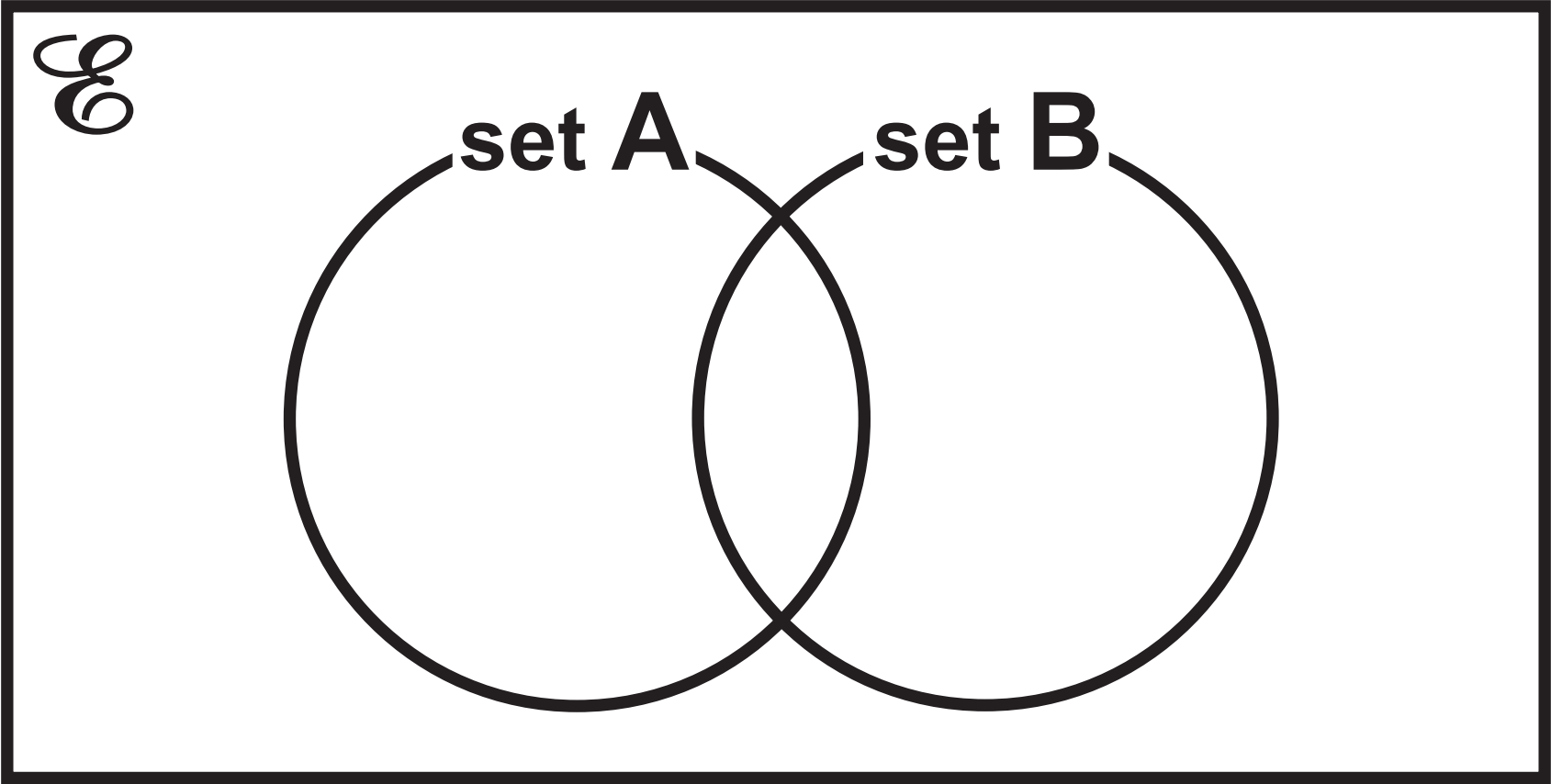
$\frac{3}{10}$  are small packets.

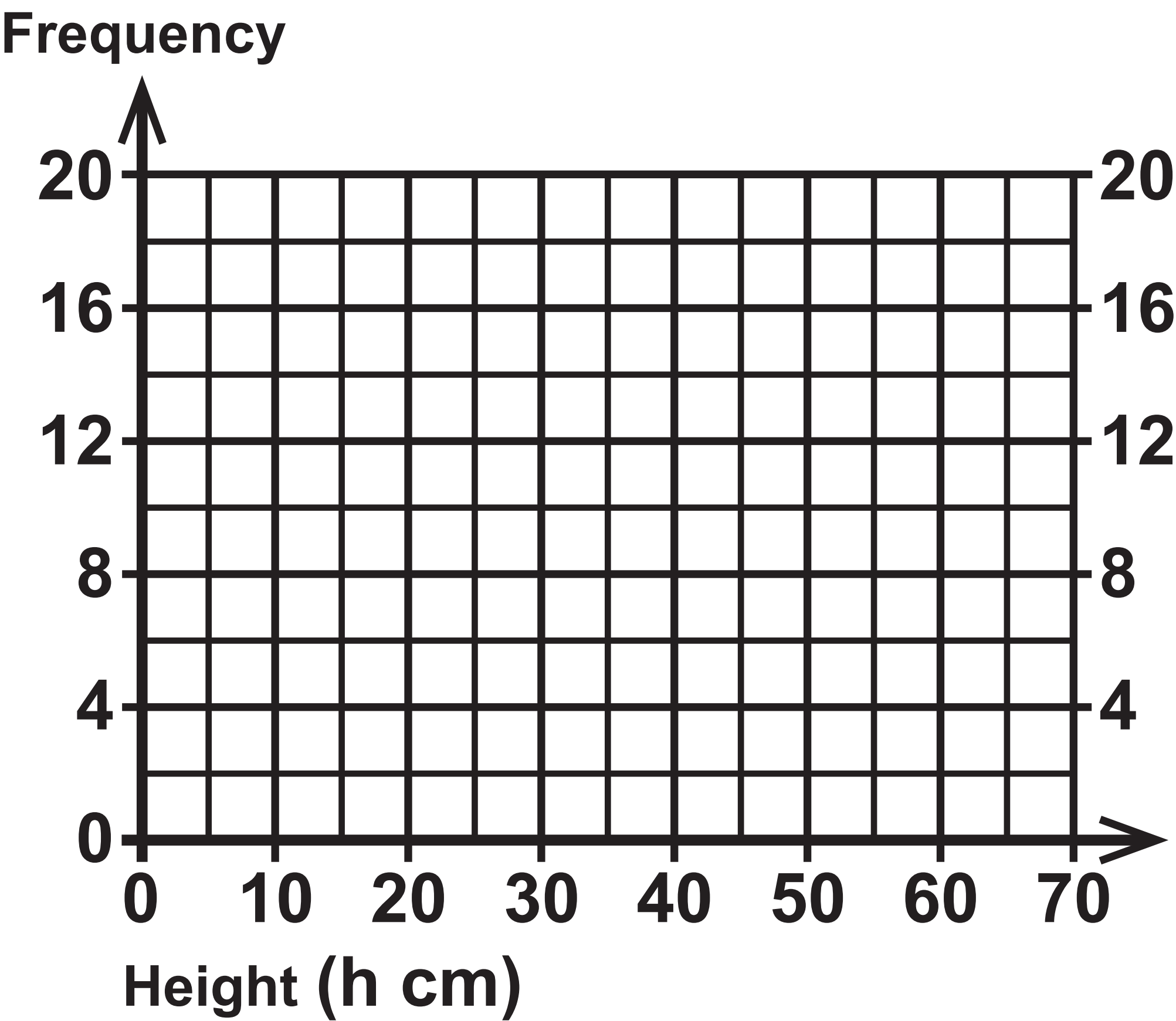
$\frac{1}{10}$  are large packets.

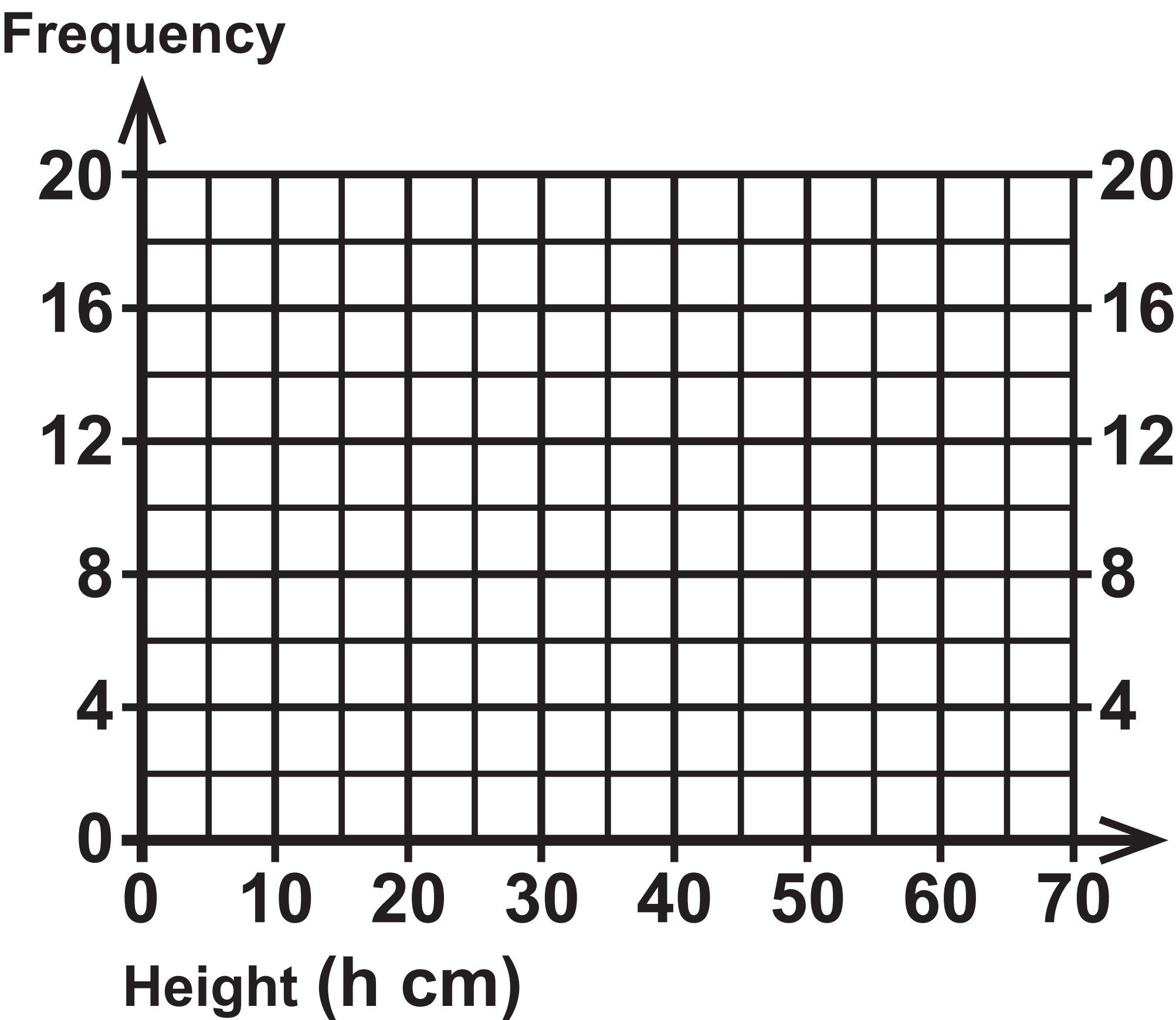
Charlie buys **150** small packets of mints so that

number of small packets : number of medium packets = **3 : 4**

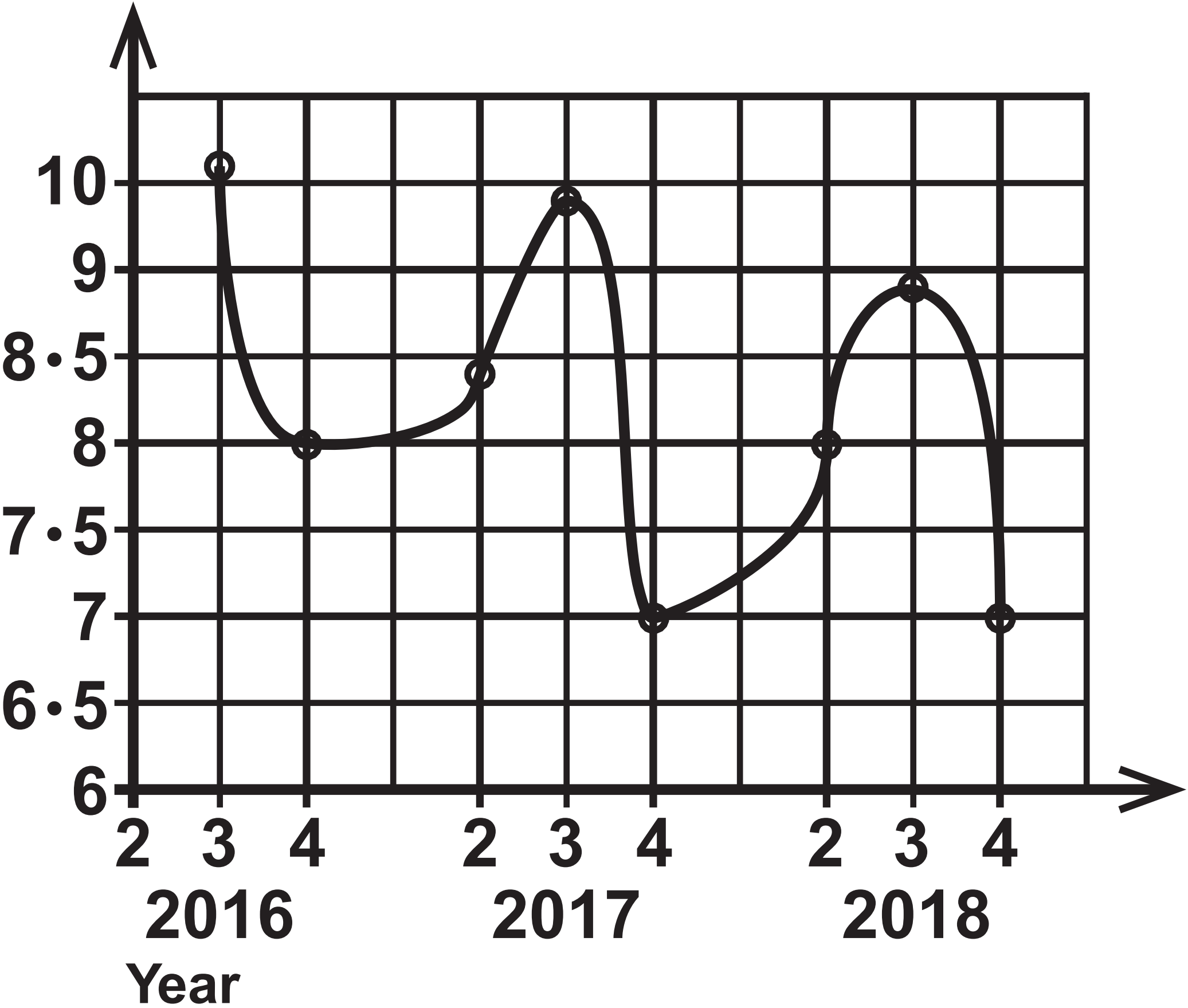








Number of visitors (thousands)





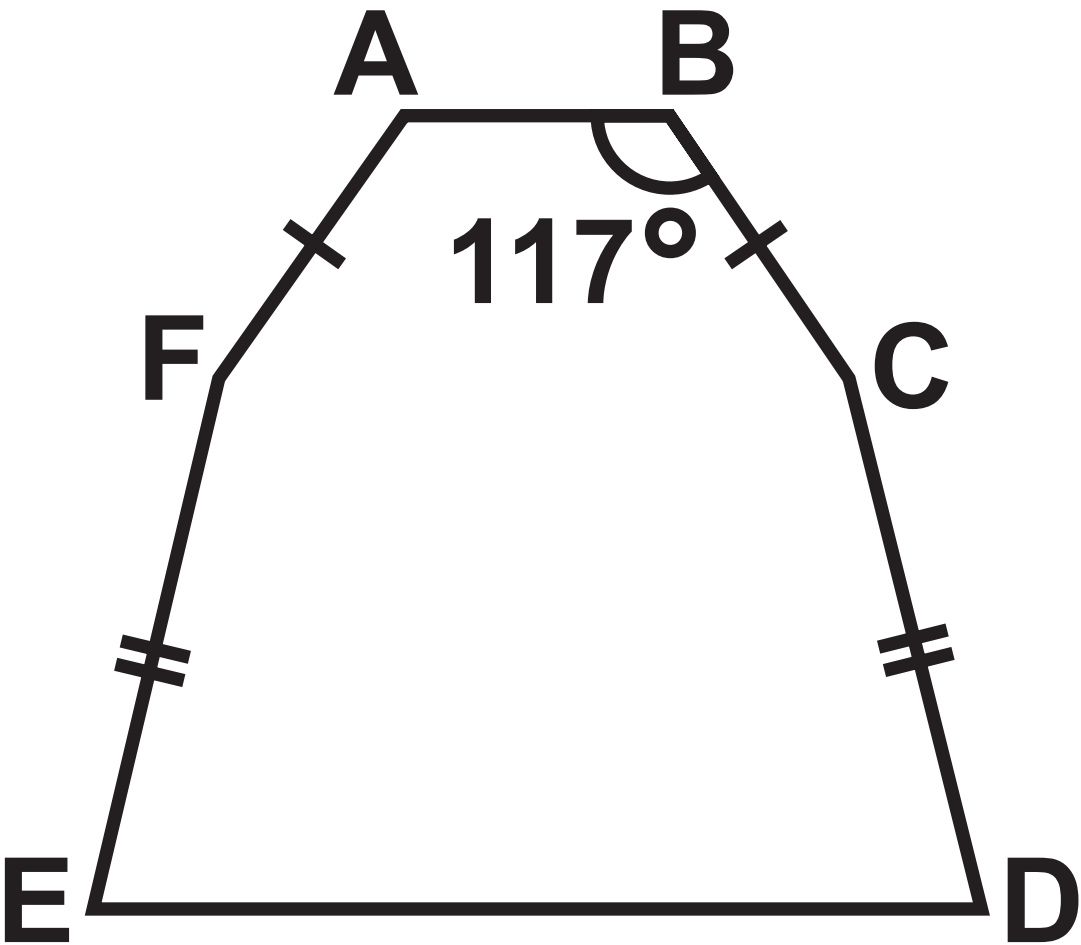


Diagram 1

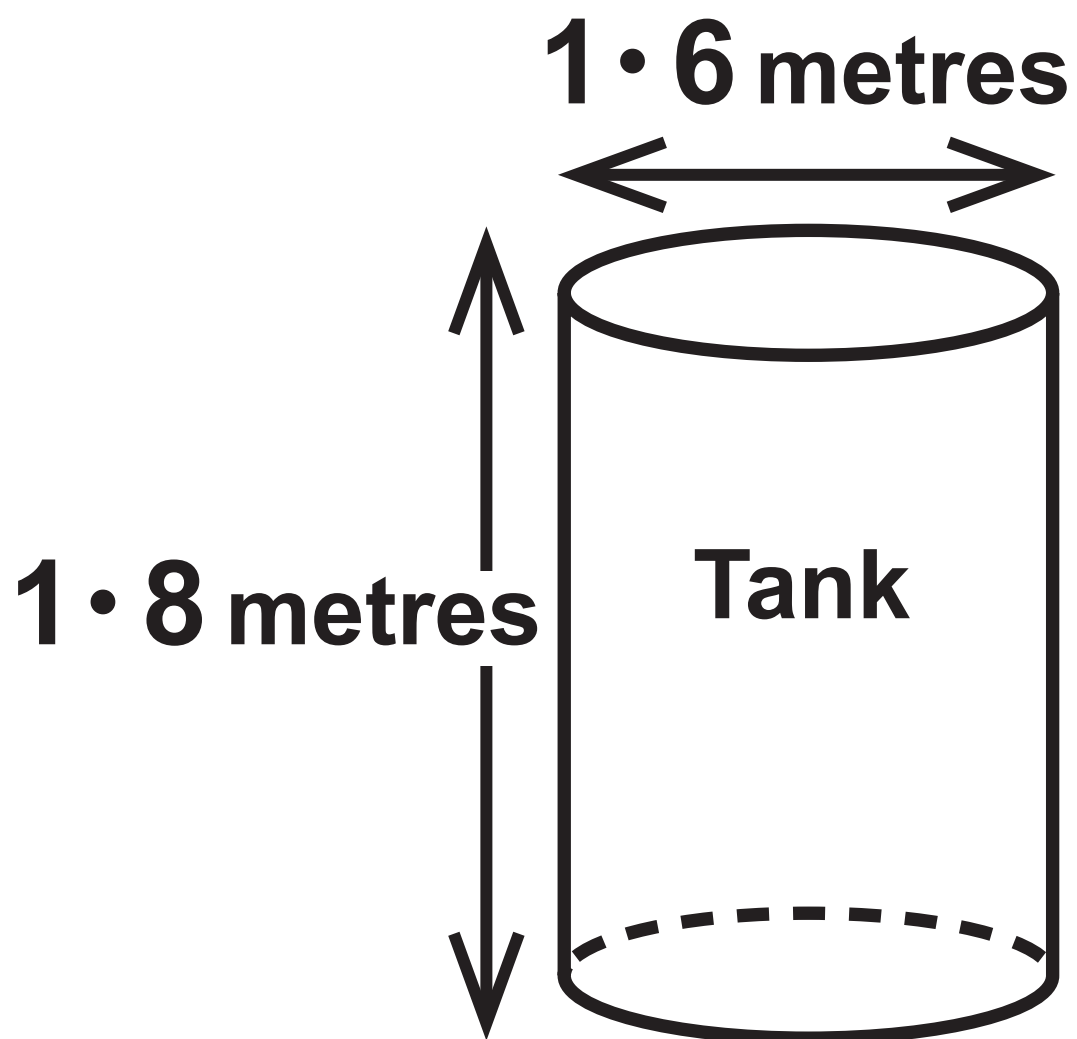


Diagram 2

