

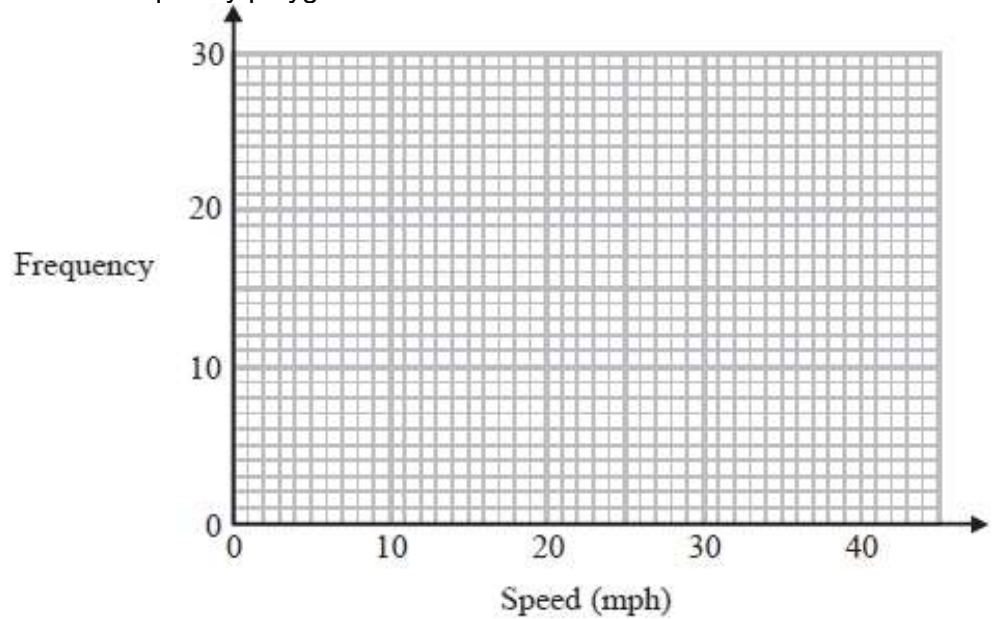
## GCSE QUESTIONS

### Q1. CALCULATOR ALLOWED

Speed ( $s$ mph)	Frequency
$0 < s \leq 10$	14
$10 < s \leq 20$	18
$20 < s \leq 30$	26
$30 < s \leq 40$	12

The table gives information about the speeds of 70 cars.

Draw a frequency polygon for this information.



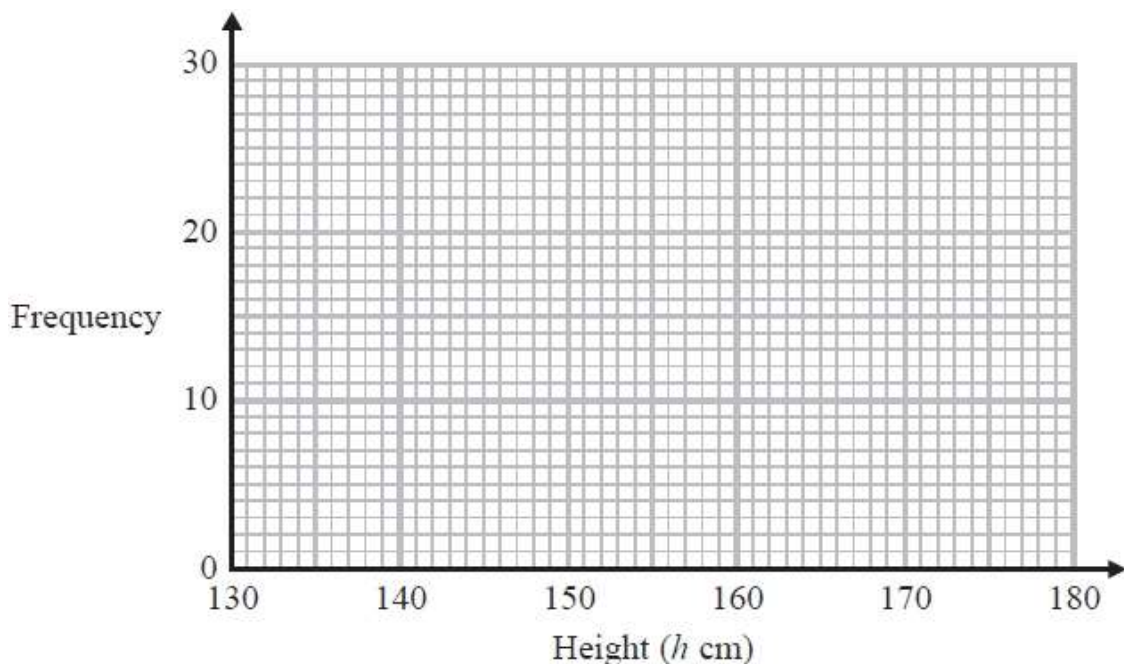
(Total for question = 2 marks)

### Q2. CALCULATOR ALLOWED

Height ( $h$ cm)	Frequency
$130 < h \leq 140$	4
$140 < h \leq 150$	11
$150 < h \leq 160$	24
$160 < h \leq 170$	22
$170 < h \leq 180$	19

The table shows information about the heights of 80 children.

Draw a frequency polygon for the information in the table.



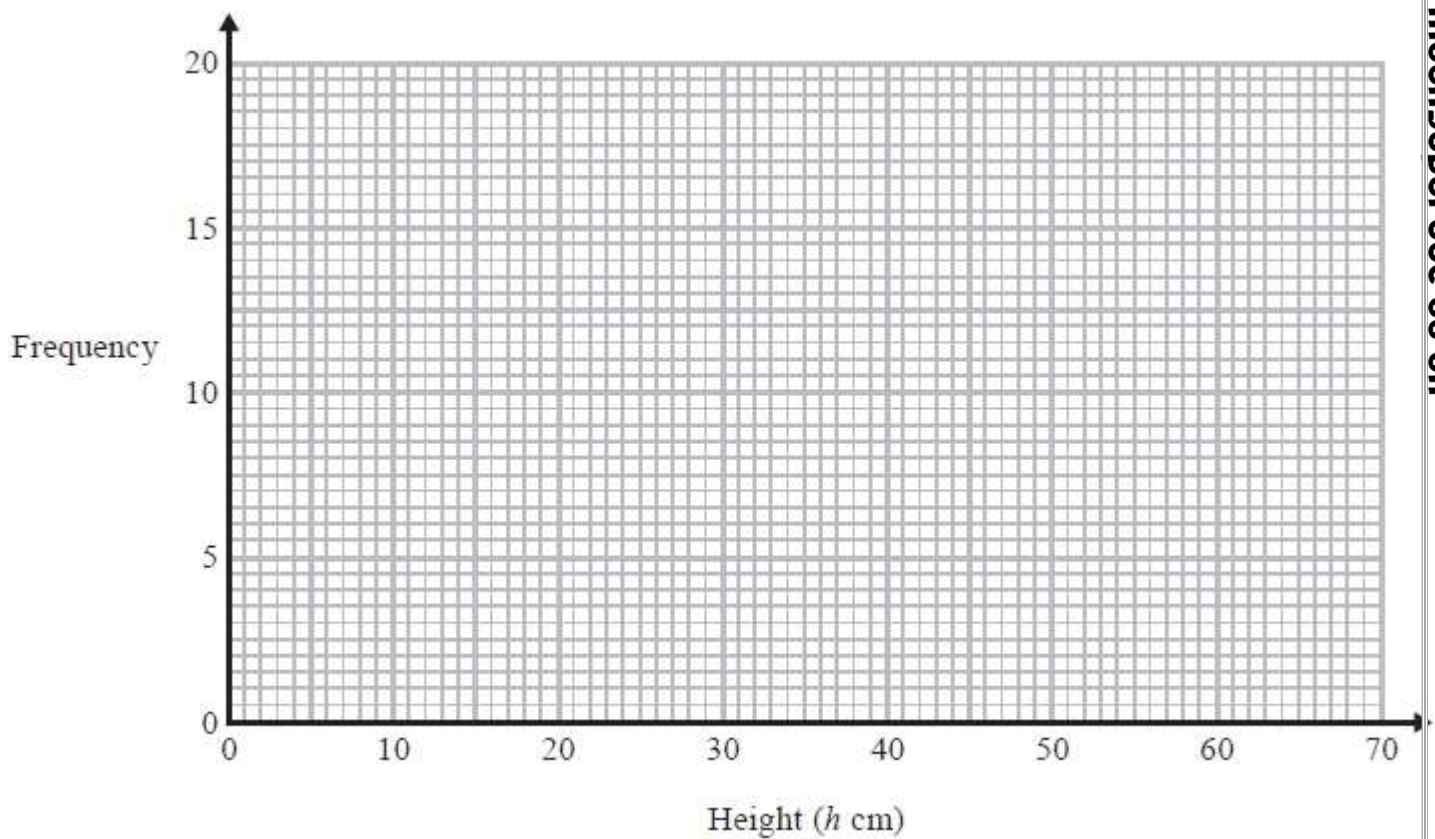
(Total for question = 2 marks)

**Q3. CALCULATOR ALLOWED**

The table shows information about the heights of 80 plants.

Height ( $h$ cm)	Frequency
$10 < h \leq 20$	7
$20 < h \leq 30$	13
$30 < h \leq 40$	14
$40 < h \leq 50$	12
$50 < h \leq 60$	16
$60 < h \leq 70$	18

(b) On the grid, draw a frequency polygon for the information in the table.



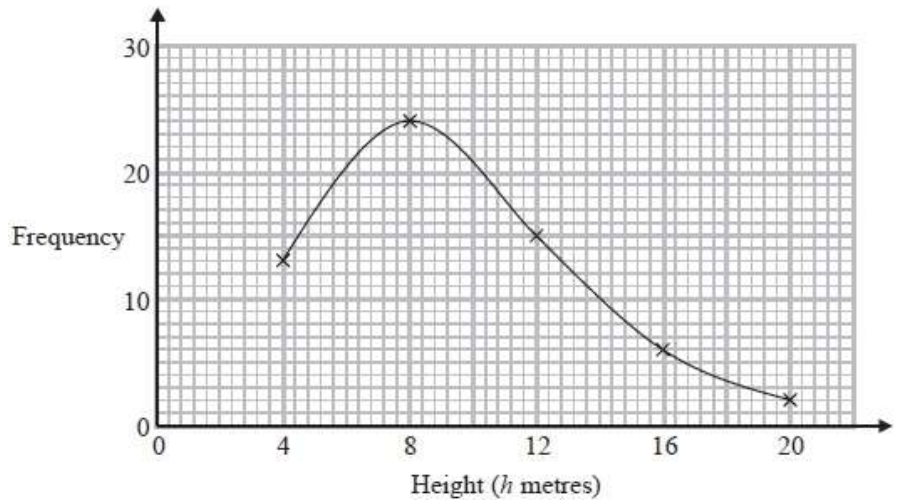
(Total for question = 2 marks)

**Q4. CALCULATOR ALLOWED**

Height ( $h$ metres)	Frequency
$0 < h \leq 4$	13
$4 < h \leq 8$	24
$8 < h \leq 12$	15
$12 < h \leq 16$	6
$16 < h \leq 20$	2

The table shows information about the heights of 60 trees.

Jacob drew this frequency polygon for the information in the table. The frequency polygon is **not** correct.



Write down **two** things that are wrong with the frequency polygon.

- 1 .....
- 2 .....

(Total for question = 2 marks)

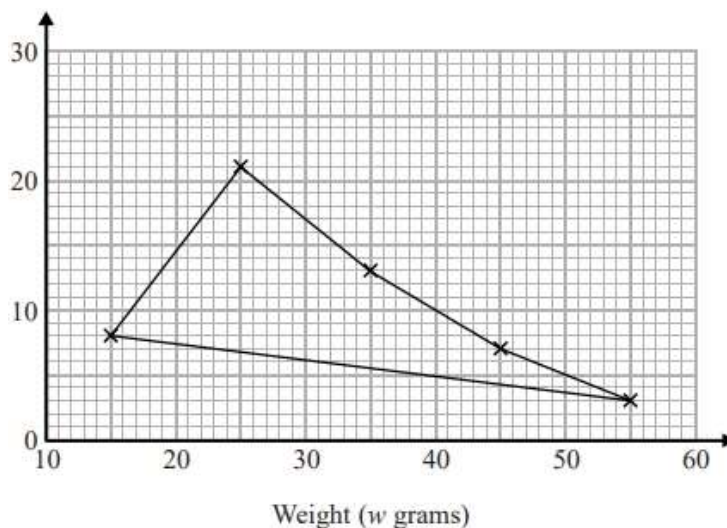
**Q5. CALCULATOR ALLOWED**

The table shows some information about the weights of 50 potatoes.

Weight ( $w$ grams)	Frequency
$10 < w \leq 20$	6
$20 < w \leq 30$	21
$30 < w \leq 40$	13
$40 < w \leq 50$	7
$50 < w \leq 60$	3

Iveta drew this frequency polygon for the information in the table.

The frequency polygon is **not** fully correct.



Write down **two** things that are wrong with the frequency polygon.

1 .....

.....

2 .....

.....

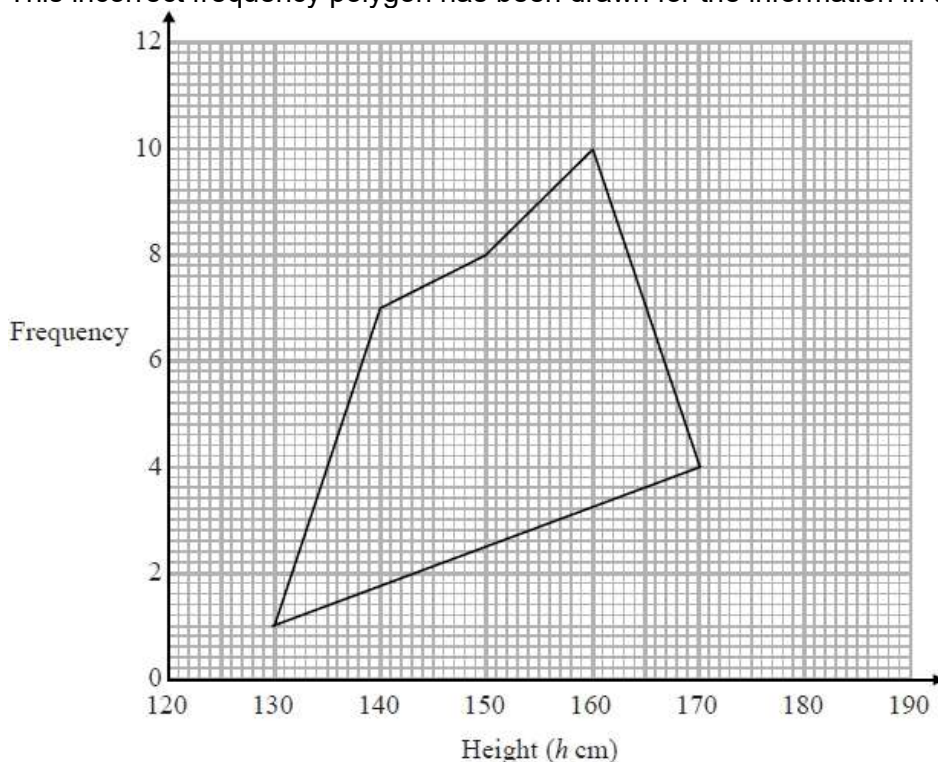
(Total for question = 2 marks)

**Q6. CALCULATOR ALLOWED**

The grouped frequency table gives information about the heights of 30 students.

Height ( $h$ cm)	Frequency
$130 < h \leq 140$	1
$140 < h \leq 150$	7
$150 < h \leq 160$	8
$160 < h \leq 170$	10
$170 < h \leq 180$	4

This incorrect frequency polygon has been drawn for the information in the table.



(b) Write down two things wrong with this incorrect frequency polygon.

1 .....

2 .....

(Total for question is 2 marks)