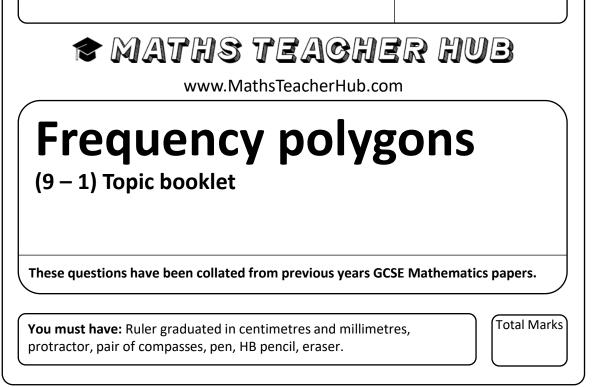
Name

Class



Instructions

•Use **black** ink or ball-point pen.

•Fill in the boxes at the top of this page with your name, centre number and candidate number.

- •Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.

•Diagrams are NOT accurately drawn, unless otherwise indicated.

•You must show all your working out.

•If the question is a **1F** question you are not allowed to use a calculator.

•If the question is a 2F or a 3F question, you may use a calculator to help you answer.

Information

•The marks for each question are shown in brackets

- use this as a guide as to how much time to spend on each question.

Advice

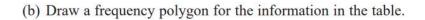
- •Read each question carefully before you start to answer it.
- •Keep an eye on the time.
- •Try to answer every question.
- •Check your answers if you have time at the end.

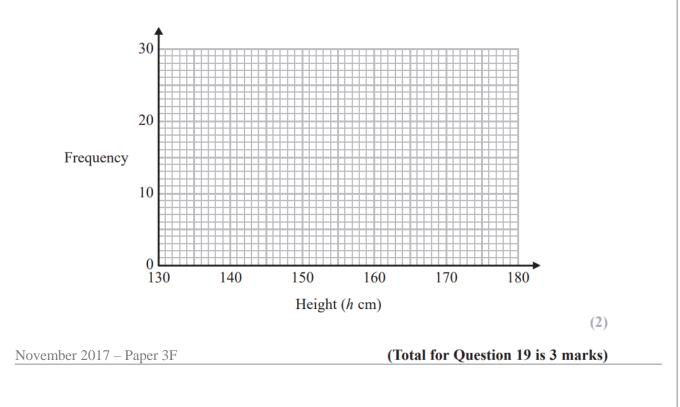
Answer ALL questions Write your answers in the space provided. You must write down all the stages in your working.

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

19 The table shows information about the heights of 80 children.

(a) Find the class interval that contains the median.



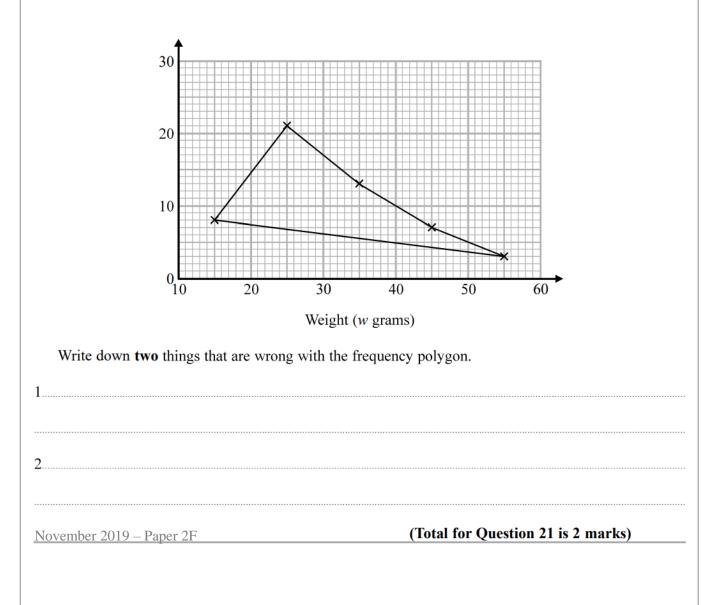


(1)

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
$30 < w \leqslant 40$	13
$40 < w \leq 50$	7
$50 < w \leqslant 60$	3

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



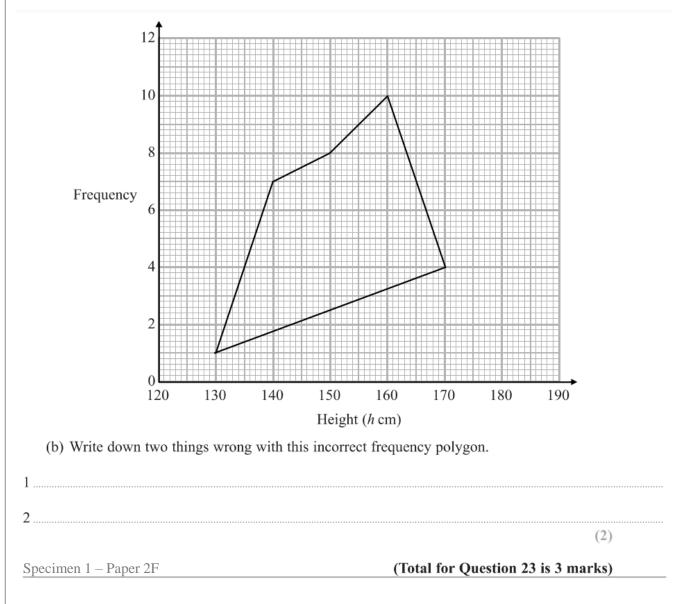
23 The grouped frequency table gives information about the heights of 30 students.

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

(a) Write down the modal class interval.

(1)

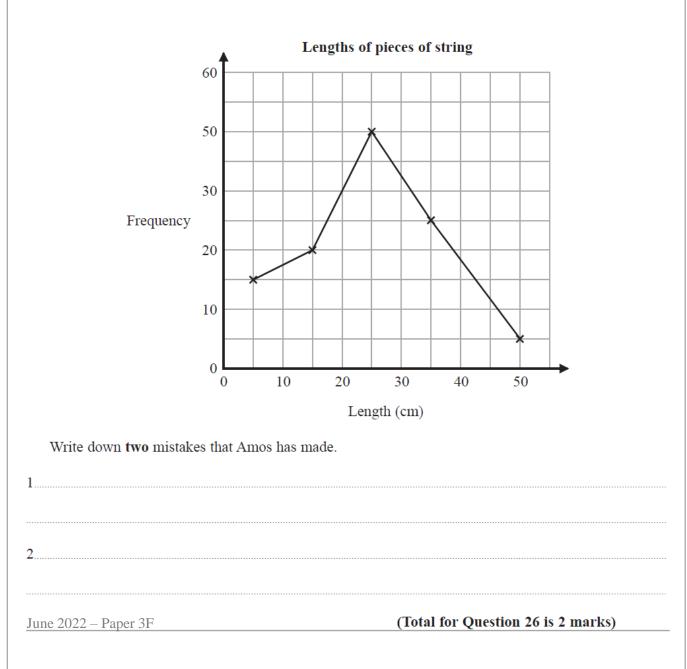
This incorrect frequency polygon has been drawn for the information in the table.



26 The table gives information about the lengths, in cm, of some pieces of string.

Length (t cm)	Frequency
$0 < t \leqslant 10$	15
$10 < t \leqslant 20$	20
$20 < t \leqslant 30$	50
$30 < t \leqslant 40$	25
$40 < t \leqslant 50$	5

Amos draws a frequency polygon for the information in the table.



26 The table shows information about the heights of 80 plants.

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

(1)

(a) Find the class interval that contains the median.

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

