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

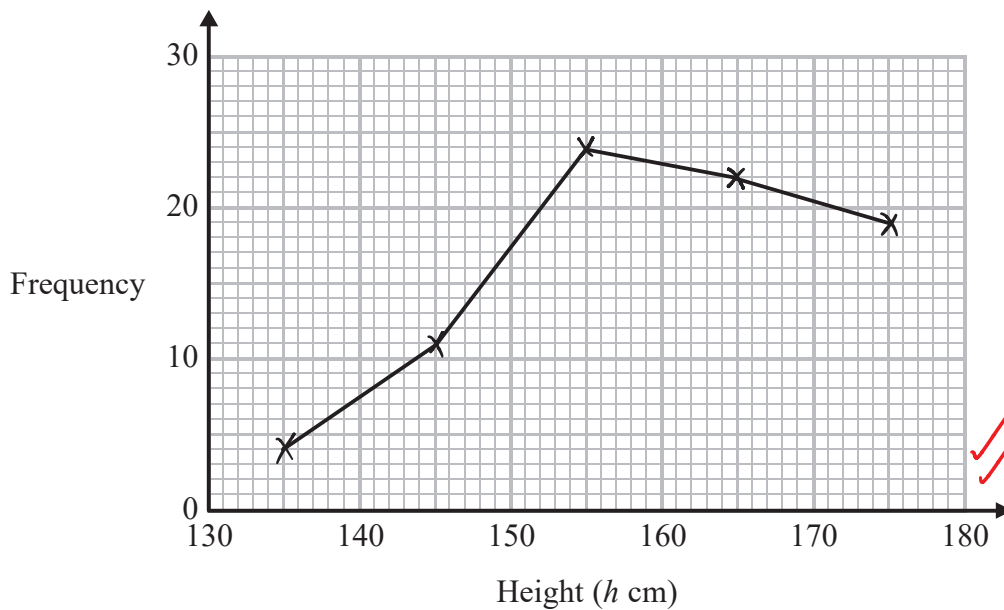| Height (h cm)	Frequency
$130 < h \leqslant 140$	4
$140 < h \leqslant 150$	11
$150 < h \leqslant 160$	24
$160 < h \leqslant 170$	22
$170 < h \leqslant 180$	19

15    $130 < h \leqslant 150$

39    $130 < h \leqslant 160$

61    $130 < h \leqslant 170$

(a) Find the class interval that contains the median.
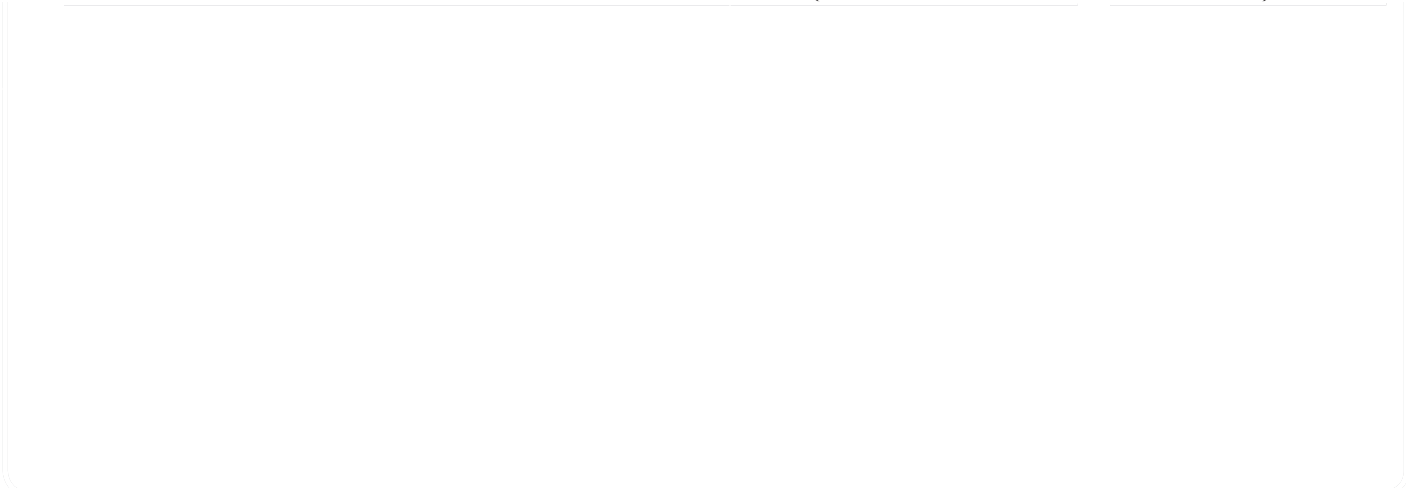
median = middle value when arranged in ascending order

.............$160 < h \leqslant 170$............. ✓

(1)

(b) Draw a frequency polygon for the information in the table.

Height (h cm)

(2)

(Total for Question is 3 marks)

2. The table gives information about the times taken, in seconds, by 18 students to run a race.

Time (t seconds)	Frequency	middle
$5 < t \leqslant 10$	1	7.5
$10 < t \leqslant 15$	2	12.5
$15 < t \leqslant 20$	7	17.5
$20 < t \leqslant 25$	8	22.5

Work out an estimate for the mean time.
Give your answer correct to 3 significant figures.

$1 \times 7.5 + 2 \times 12.5 + 7 \times 17.5 + 8 \times 22.5$

$= 335$ ✓

$\dfrac{335}{18} = 18.6111...$

$= 18.6$ (3.s.f.)

................18.6........ seconds ✓

(Total for Question   is 3 marks)