

- 1 The table shows some information about the profit made each day at a cricket club on 100 days.

Profit (£ x)	Frequency
$0 \leq x < 50$	10
$50 \leq x < 100$	15
$100 \leq x < 150$	25
$150 \leq x < 200$	30
$200 \leq x < 250$	5
$250 \leq x < 300$	15

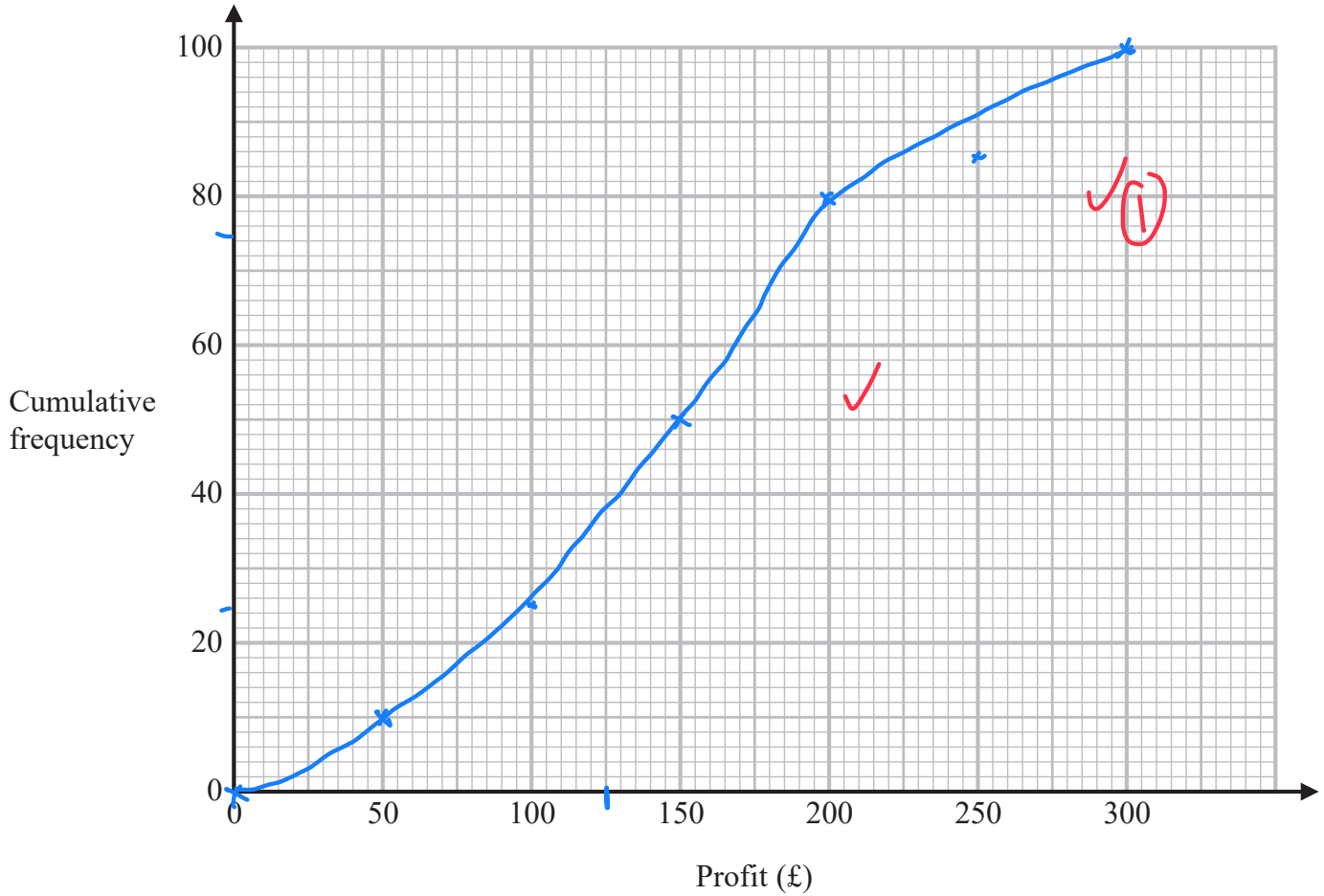
- (a) Complete the cumulative frequency table.

Profit (£ x)	Cumulative frequency
$0 \leq x < 50$	10
$0 \leq x < 100$	25
$0 \leq x < 150$	50
$0 \leq x < 200$	80
$0 \leq x < 250$	85
$0 \leq x < 300$	100

✓ (1)

(1)

(b) On the grid, draw a cumulative frequency graph for this information.



(2)

(c) Use your graph to find an estimate for the number of days on which the profit was less than £125

at £125, days are 36 ✓ (1) 36 days
(1)

(d) Use your graph to find an estimate for the interquartile range.

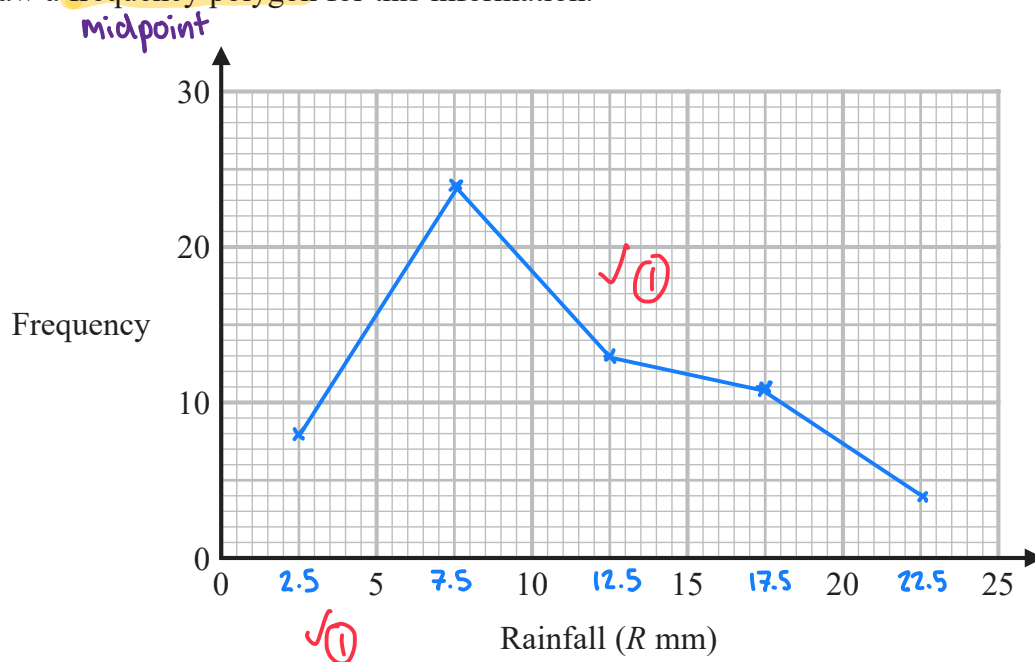
day 25 to 75
 £100 191 ✓ (1)
 191 - 100 = 91 ✓ (1) £ 91
 (2)

(Total for Question 1 is 6 marks)

2 The table shows information about the daily rainfall in a town for 60 days.

Midpoint	Rainfall (R mm)	Frequency
2.5	$0 \leq R < 5$	8
7.5	$5 \leq R < 10$	24
12.5	$10 \leq R < 15$	13
17.5	$15 \leq R < 20$	11
22.5	$20 \leq R < 25$	4

Draw a frequency polygon for this information.



(Total for Question 2 is 2 marks)