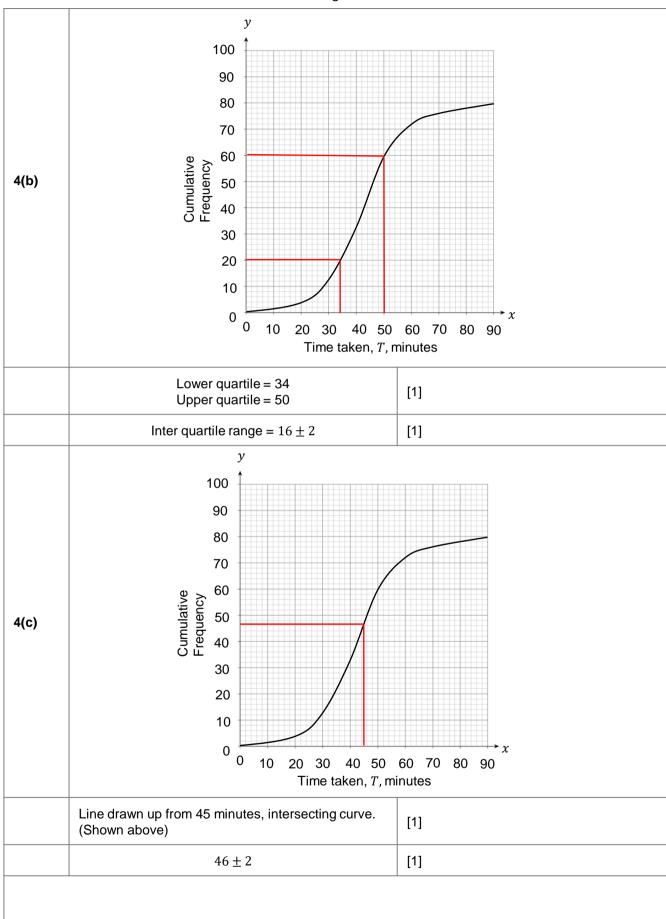
	Cumulative Frequence	Cy Mark Scrien			
1(a)	Delay (mins)	Frequency	Cumulative Frequency		
	$0 < t \le 2 \qquad \qquad 6$		6		
	2 < t ≤ 4 13		19	[1] Three correctly summed values	
	$4 < t \le 6$	34	53	[1] All correct values	
	$6 < t \le 8$	19	72		
	$8 < t \le 10$	13	85		
	$10 < t \le 12$	5	90		
1(b)	(2,6)			[1] x-co-ordinate -highest value of the respective group and co- ordinate should be the cumulative frequency found in part (a)	
		(4,19)		[1]	
2	Cumulati frequenc	יו ווי	50 100 15 Time T	0 200 250 300 minutes	
	All coordinates plotted correctly			[1]	
	Smooth curve passing through all points			[1]	
	Starting from 0			[1]	

3(a)	£335 ± 5	[1] line drawn across and down from CF = 50
3(b)	£255 ± 5	[1] line drawn across and down from CF = 25
3(c)	£400 ± 5	[1] line drawn across and down from CF = 75
3(d)	£145 ± 10	[1] Value found in part (c) – (b)
3(e)	Draw up from £500. Intersect graph at 94	[1]
	6 people spent over £500	[1]
4(a)	Time taken (mins) Frequency CF	[1] Cumulative frequency values calculated
	$0 < t \le 20$ 2 2	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	$50 < t \le 60$ 14 81	
	$60 < t \le 70$ 5 86	
	$70 < t \le 90$ 4 90	
	100 90 80 70 80 70 60 50 0 10 0 0 10 20 10 0 10 0 10 0 10 0 10 0 10 0 10 1	[1] Cumulative frequency plotted against Upper bound of group

3



Turn over ▶

4

