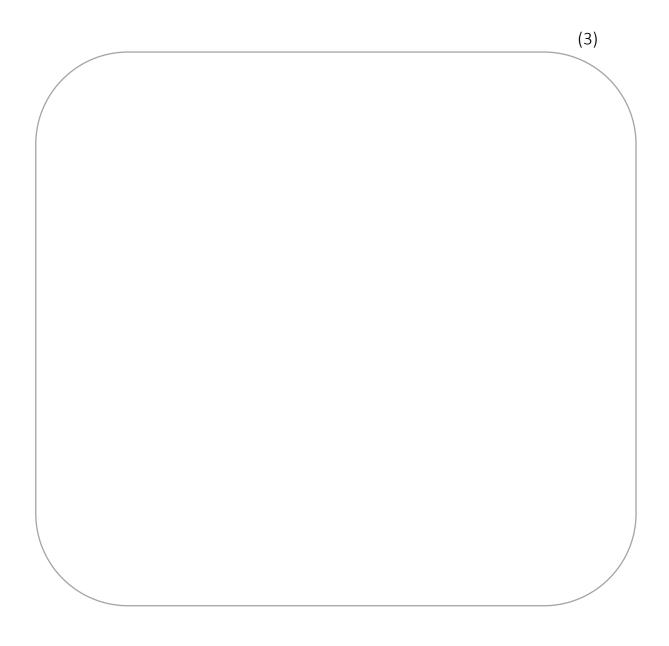
1) Robbie played twenty football matches for his school team. The number of goals scored in each game are shown in the table.

Goals	Number of matches	
0	3	
1	5	
2	9	
3	1	
4	2	

Calculate the mean number of goals scored per game.



2) Lily visits an arcade while on holiday in Weston-Super-Mare. She plays 100 games and wins tickets that she can exchange for prizes.

The table below shows the results.

Number of tickets won	Frequency
0	2
1	11
2	28
3	18
4	11
5	15
6	19
7	2
8	3

- a) Work out the total of tickets won. (2)
 - b) Calculate the mean number of tickers per game. (2)

3) An internet company collected data about the number of internet devices in each of 50 households.

The table shows the results.

Number of devices	Number of households
0	1
1	1
2	2
3	4
4	9
5	13
6	10
7	7
8	3

a)	Work out the total number of internet devices in these 50 households		
	(2)		

b) Calculate the mean number off interest devices per household. (2)

4) Alex works for the council. He records the number of people in cars travelling down a street over one hour.

Here are his results.

Number of people in each car	Number of cars
1	41
2	54
3	32
4	20
5	3

a)	Work out the total number of cars that travelled down the stre	et.
		(1)
b)	Work out the total number of people that travelled in cars dow	n the
	street.	(2)
۵۱	Work out the mace number of people travelling in each car	(2)
C)	Work out the mean number of people travelling in each car.	(2)

5) Simon rolls a fair six-sided dice 30 times. He records the results in a table however, misses two of the frequencies.

Number	Frequency
1	6
2	3
3	5
4	
5	
6	6

The mean result is 3.5.

Work out the two missing numbers.

(4)

6) The table below shows the length of 100 fish from a local river.

Length, L, cm	Frequency	Midpoint	
0 < L ≤ 10	21		
10 < L ≤ 20	11		
20 < L ≤ 30	31		
30 < L ≤ 40	12		
40 < L ≤ 50	25		

Calculate an estimate of the mean length of the fish.



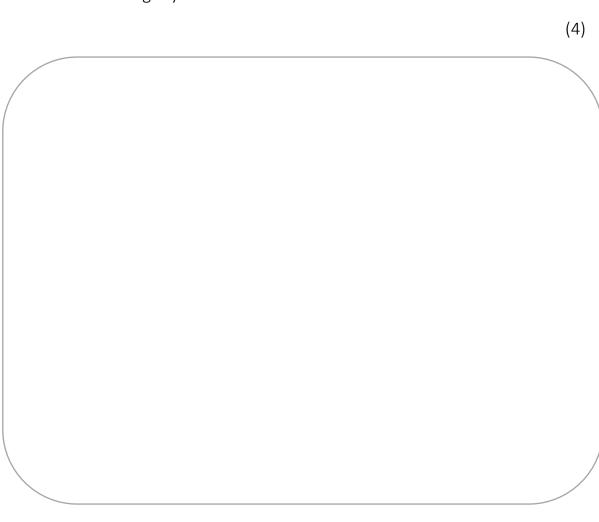
7) The table shows the heights of 50 students.

Height, h, cm	Frequency	
110 < h ≤ 120	3	
120 < h ≤ 130	8	
130 < h ≤ 140	9	
140 < h ≤ 150	23	
150 < h ≤ 160	7	

a) '	Write	down	the	modal	class	interva	ıl.
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(1)

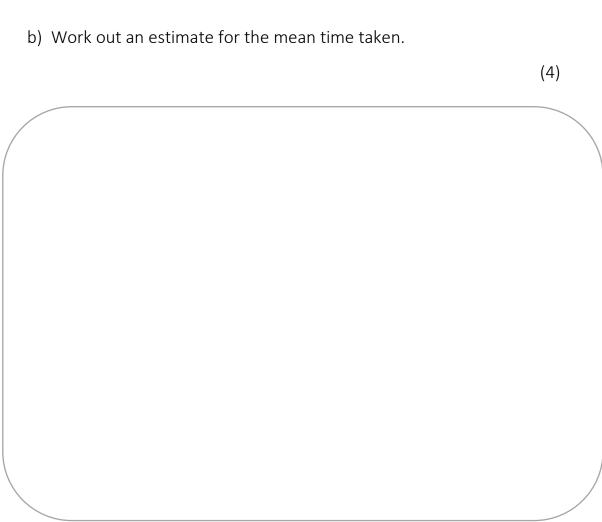
b)	Work out an estimate for the mean	height of the students
	Don't forget your units.	



8) James recorded the times, in minutes, for 20 students to complete a test. The information about these times is shown in the table.

Time (t minutes)	Frequency	
$0 < t \le 4$	4	
4 < t ≤ 8	11	
8 < t ≤ 12	4	
12 < t ≤ 16	1	

a) Write down the modal class interval.				
	(1)			



9) The time for ten students to complete a race is below.

Time (t seconds)	Frequency
20 < t ≤ 40	4
40 < t ≤ 60	5
60 < t ≤ 80	2

	a)	Work out what fraction of students took over one minute.	
			(1)
	h)	Write down the modal interval	
	υ) 	write down the modal interval	(1)
,			

c) Work out an estimate for the mean time taken. (4)

.....Seconds