Here					os and	1 W10	ic do w		ir lengths, in	CIII.	
11010	are l	ner re	sults	•							
5	6	5	2	4	5	8	7	5	4		
7	6	4	3	5	7	6	4	8	5		
(a)	Cor	nnlete	e the	freque	ency t	able to	o shov	v Ama	anda's results	ł.	
(u)			gth ir				Cally		Frequency		
		Zenş	2				uiij		requestes		
			3								
			4								
			5								
			6								
			7								
			8								
											(2)
(c)				range							cm (1)
Rosia	1 1										(4 marl
100010	e nac	l 10 b	oxes	of dra	awing	pins.					(4 marl
							oins in	each	box.		(4 marl
She o	count	ted th	e nur	nber (awing of drav	ving p			box.		(4 marl
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She o	count	ted th	e nurs info	mber ormation in the community of the co	of dray	ving p	r resul	quency			(4 marl

yesterday. The frequency table shows his results. Number of cups of Frequency coffee 2 1 3 3 4 5 5 8 5 6 Work out the number of pupils that Andy asked. (a) **(2)** (b) Work out the mean number of cups of coffee drunk. (3)(5 marks) 4. 20 students scored goals for the school hockey team last month. The table gives information about the number of goals they scored. Goals scored Number of students 9 1 2 3 3 5 3 4 Write down the modal number of goals scored. (a) **(1)** Work out the range of the number of goals scored. **(1)** Work out the mean number of goals scored. (c) (3)(5 marks)

Andy did a survey of the number of cups of coffee some pupils in his school had drunk

3.

5. Bob asked each of 40 friends how many minutes they took to get to work.

The table shows some information about his results.

Time taken (m minutes)	Frequency
$0 < m \le 10$	3
$10 < m \le 20$	8
$20 < m \le 30$	11
$30 < m \le 40$	9
40 < m ≤ 50	9

a) Work out an estimate for the mean time taken.

	minutes	(4
State the modal class interval		
		(1)
	State the modal class interval	State the modal class interval

c) Find the group containing the median

.....(2)

(7 marks)

6. The table shows information about the numbers of hours 40 children watched television one evening.

Number of hours (h)	Frequency
0 ≤ h < 1	3
1 ≤ h < 2	8
2 ≤ h < 3	7
3 ≤ h < 4	10
4 ≤ h < 5	12

		7 0 11 - 3	12	
(a)	Find the class i	nterval that contains the med	lian.	(1)
(b)	Work out an es	stimate for the mean number	of hours.	
				(4)
				hours (5 marks)
				(= =====)

7. 80 people work in Jenny's factory.

The table shows	some information	about the annual	pay of these 80	workers.

Annual pay (£x)	Number of workers
$10\ 000 < x \le 14\ 000$	32
$14\ 000 < x \le 16\ 000$	24
$16\ 000 < x \le 18\ 000$	16
$18\ 000 < x \le 20\ 000$	6
$20\ 000 < x \le 40\ 000$	2

(a) Write down the modal class interval.	
(b) Find the class interval that contains the median.	(1
(c) Work out an estimate for the mean annual pay.	(2
(d) Why is your answer to part (c) and estimate?	(3
	(1 (7 marks

8. Caleb measured the heights of 30 plants. The table gives some information about the heights, h cm, of the plants.

Height (h cm) of plants	Frequency	
$0 < h \le 10$	2	
$10 < h \le 20$	8	
20 < h ≤ 30	9	
30 < h ≤ 40	7	
40 < h ≤ 50	4	

(a)	Work out an estimate for the mean height of a plant.
	(3
(b)	Write down the modal class interval.
	(1
(c)	Find the class interval that contains the median.
	(2
(d)	Why is your answer to part (a) and estimate?
••••	(1 (7 marks

9. Marcus collected some pebbles.

He weighed each pebble.

The grouped frequency table gives some information about weights.

Weight (w grams)	Frequency	
$50 \le w < 60$	5	
$60 \le w < 70$	9	
$70 \le w < 80$	22	
80 ≤ w < 90	27	
90 ≤ w < 100	17	

(a)	Work out an estimate for the mean weight of the pebbles.	
		(3)
(b)	Write down the modal class interval.	
(c)	Find the class interval that contains the median.	(1)
(d)	Why is your answer to part (a) and estimate?	(2)

(1)

(7 marks)