Chloe made a list of her homework marks.
4 5 5 5 4 3 2 1 4 5
(a) Write down the mode of her homework marks.
5
(1
(b) Work out her mean homework mark.
3.8
(2
(Total 3 marks)
Peter rolled a 6-sided dice ten times.
Here are his scores.
3 2 4 6 3 3 4 2 5 4
(a) Work out the median of his scores.
2233344456
3.5
(2)
(b) Work out the mean of his scores.
36 -10
3.6
(2)
(c) Work out the range of his scores.
4
(Total 5 marks)

1.

2.

3.	Hei	e are th	e weig	hts, in k	g, of 8 p	people.						
		63	65	65	70	72	86	90	97			
	(a) Write down the mode of the 8 weights.											
								•••••	65	kg	(1)	
	(b)	Work	out the	range o	of the w	eights.						
				97	` (63		•••••	34	kg	(2)	
										(Total 3 1	` '	
4.	Her	e are the	_	of 6 peo	_	4 2	2	12				
	(a)	_		range o				_				
				22.				***************************************	17		(1)	
	(b)	Find th	e med	ian age.								
			5	10	}	2	14	18	22		(2)	
	(c)	Work o	out the	mean ag	ge.						(~)	
									13.5		(2) narks)	

5. Here are the shoe sizes of 6 students.

2 10 7 6 10 9

(a) Work out the range of these shoe sizes.

(1)

(b) Find the median shoe sizes.

2 6 7 9 10 10 8

(c) Work out the mean shoe sizes.

 $\frac{44}{6}$ $\frac{7.3}{3}$ (Total 5 marks)

6. Jalin wrote down the ages, in years, of seven of his relatives.

(a) Find the median age.

38, 39, 40, 39

43, 43, 43, 45

(1)

(b) Work out the range of the ages.

45 - 387

(c) Work out the mean age.

 $\frac{287}{7} \qquad \qquad 41 \tag{2}$ (Total 4 marks)

7.	Mr Smith kept a record of the number of absences for each student in his class for one term.												
	Her	e are	his	result	s.								
		Q	0	0	8	4	. 5	5	3	2	1		
	(a)	Wri	ite d	own t	he mod	le.				••)	(1)
	(b)					18	- 0				2	. 8 (Total	(2) 3 marks)
8.	Here	e are	10 n	umbe 3		5	4 2	4	6	2	1	2	
	(a)	F	ind i				numb		<u>6</u> 		2		(1)
	(b)	Finc	the	medi	an of t	hese	numbe	rs.					(1)
				l	2	2	2	2 1	3 '			د 	(2)
	(c)	Find	l the	range	of the	se nu	mbers						, ,
					6 -	/				•••••	5		
												(Total	(2) 5 mark)

9.	Her	Here are the test marks of 6 girls and 4 boys.											
		Girls:	5	3	10	2	7	3					
	-	Boys:	2	5	9	3							
	(a)	Write d	lown 1	the m	ođe o	of the	: 10 n	narks		••••••	3	•••••	(1)
	(b)	Work o	ut the	med 2	lian n	nark o 5	of the	boy	s.		4		(1)
	(c)	Work o			ge of t	_			5.		4	•••••	(1)
	(d)	Work o	ut the	mea	n mai	k of	all 10) stud	lents.				()
			4	90						•••••	4.	********	(2) marks)
10.	Here	e are ten	numb	ers.									
	7 (a)	6 Work or	8 at the	4 rang		5	9		7	3	6	7	
			9	purina	3					·····	6		(2)
	(b)	Work ou	it the	mear	1.								` ,
			62	-	10						6.2		
												(Total 4	(2) marks)

11. Here are fifteen numbers.

10 12 13 15 15 17 20 19 20 20 21 25 25 25 25

(a) Find the mode.

(1)

(b) Find the median.

(1)

(c) Work out the range.

25 - 10

(2)

(Total 4 marks)

12. A rugby team played 7 games.

Here is the number of points they scored in each game.

3 5 8

12 (a) Find the median.

12

16

(2)

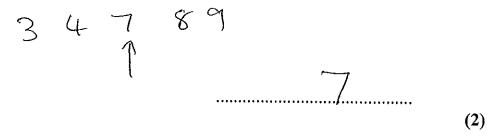
The rugby team played another game. They scored 11 points.

(b) Find the median number of points scored in these 8 games.

12 12 16 3 5 8 9 11 (3)(Total 5 marks) 13. Tom recorded the shoe size of five of his friends. Here are his results.

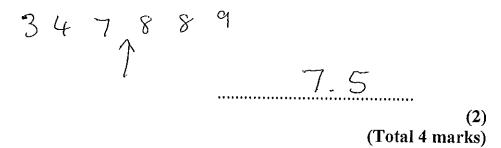
8 9 3 4 7

(a) Work out the median shoe size.



Another friend has a shoe size of 8

(b) Work out the median shoe size of all six friends of Tom.



14. The mean of eight numbers is 41
The mean of two of the numbers is 29

What is the mean of the other six numbers?

$$9 \times 41 = 328$$
 Sum of 8
 $2 \times 29 = 58$ Sum of 2
 $328 - 58 = 270$ (Sum of 6)
 $\frac{270}{6}$ 45
(Total 3 marks)