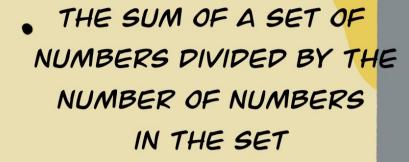


Mean





WHEN DATA ARE ARRANGED IN NUMERICAL ORDER



Mode



• THE NUMBER THAT OCCURS MOST OFTEN IN A SET OF NUMBERS

• THE DIFFERENCE BETWEEN THE GREATEST AND LEAST NUMBER IN A SET OF DATA.

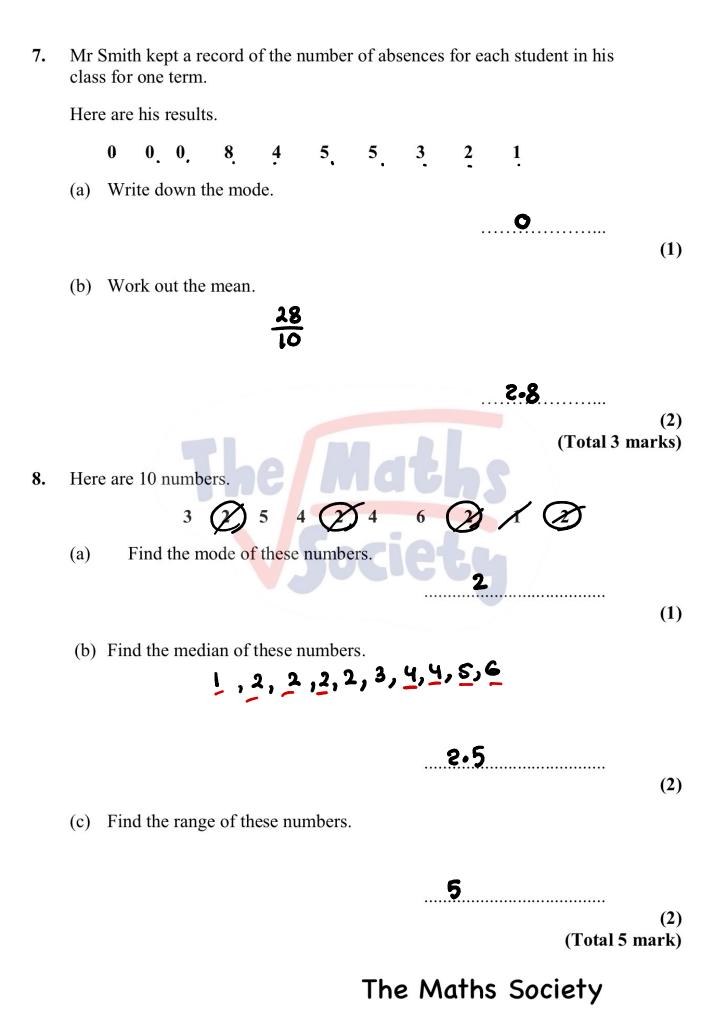




1.	1. Chloe made a list of her homework marks.	
	4 5 5 5 4 3 2 1 4	5
	(a) Write down the mode of her homework marks.	
		5
		(1)
	(b) Work out her mean homework mark.	
	<u>38</u>	
	10	3.8
	••••	(2)
		(Total 3 marks)
2.	2. Peter rolled a 6-sided dice ten times.	
	Here are his scores.	
	3 2 4 6 3 3 4 2 5 4	
	(a) Work out the median of his scores.	
	x, y, 3,3,3,4,14,15,6	
	A TAPIC A	3.5
		(2)
	(b) Work out the mean of his scores.	
	36 10	
	10	3.6
		(2)
	(a) Work out the renge of his seems	(-)
	(c) Work out the range of his scores.	
		M
		
		(1) (Total 5 marks)
		, ,

3.	Her	e are th	e weig	hts, in k	g, of 8	people.					
		63	65	65	70	72	86	90	97		
	(a)	Write	down 1	the mod	e of the	e 8 weig	ghts.				
								6	5	kg	(1)
	(b)	Work	out the	range (of the w	eights.					(1)
	(0)	VV OIR		runge	, tile 11	eights.					
									34	kg	
										(Total 3 r	(2) marks)
										(1000101	1107
4.	Her			of 6 pec			2%	12			
	(a)	Work	out the	range o	of t <mark>h</mark> ese	ages.					
			5	10	12	14	18	22			
									17		(1)
	(b)	Find t	he med	lian age							(1)
	(0)	ring t	ne med	nan agc	•						
								13			
											(2)
	(c)	Work	out the	mean a	277						
					81				_		
								13.1	5	•••••	(2)
										(Total 5 r	
						-	The N	Nath	s Soc	iety	

5.	Here are the shoe sizes of 6 students.
	L 10 7 8 10 9
	(a) Work out the range of these shoe sizes. 2 6 7 9 10 10 8
	(b) Find the median shoe sizes.
	8
	(c) Work out the mean shoe sizes.
	The Maths (2)
6.	Jalin wrote down the ages, in years, of seven of his relatives.
	45, 38, 43, 43, 39, 10, 29
	(a) Find the median age. 38, 39, 39, 40, 43, 43, 45
	(1)
	(b) Work out the range of the ages.
	
	(c) Work out the mean age.
	287 7 41
	(2) (Total 4 marks)
	The Maths Society



9.	Her	e are the	e test ma	arks of	6 girls	and 4	ooys.				
	(Girls:	5	3 (10		7	3				
]	Boys:	2	5 9	3						
	(a)	Write	down th	ie mode	e of the	10 ma	rks.				
								3			(1)
	(1 -)	Worls	0.14 tla 0.4		مد میاد م	£41. a 1					(1)
	(b)	W OFK	out the 1	median ,5,9	mark c	or the r	oys.		4		
			7-	, , ,						• • • • • • • • • • • • • • • • • • • •	(2)
	(c)	Work	out the	range o	of the gi	rls' m	arks.				
								8			
					. 1						(1)
	(d)	Work	out the 1	mean n			students	h			
					40				1.9		
							rie	4	! : !		(2)
								7		(Total 6	marks)
10.	Her	e are ter	numbe	ers.							
	7	6	8	4	5	9	7	3	6	7	
	(a)	Work	out the	range.							
								_			
								6			(2)
	(b)	Work	out the	mean.							(-)
					62						
					10			6.2			
										(Total 4	(2)
										(10tal 4	mai K5)

The Maths Society

11.	Here are fifteen numbers.	
	10 12 13 15 1 5	
	17 19 20 20 20	
	21 25 25 25 25	
	(a) Find the mode.	
	25	
		(1)
	(b) Find the median.	
	20	(1)
	(c) Work out the range.	(1)
	(c) Work out the range.	
	The Math	(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 9 12 12 16	
	(a) Find the median.	
		(2)
	The rugby team played another game. They scored 11 points.	(2)
	(b) Find the median number of points scored in these 8 games.	
	10	
		(3) (Total 5 marks)
	The Maths Soci	ету

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.

3 4 7 8 9



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?

(Total 3 marks)

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