

LO – Use my understanding of averages to answer word based problems

Find the Mean, Mode, Mean and Range for the following (round all answers to 1 dp where applicable):

1	1,2,3,4,5,6,7
2	3,4,2,4,5,6,6,4
3	8, 4.5, 3.2, 7.9
4	-1, 2, -3, 5, 3, -10, 20
CALCULATE THE FOLLOWING	
Jim saves £3 in week one, £7 in week 2, £6 in week 3 and £9 in week 4. What does he save on average each week?	
Find the average cost of a travel ticket if one ticket costs £3.45, another £6.75, a third £5.35 and a final ticket £4.35	
The most expensive jumper in a shop costs £82. There are 3 other Jumpers in the shop costing £56, £32 and £48. What is the range of costs of the jumpers?	
There are 5 different meals on offer in a restaurant. The average price of a meal is £10. One price is missing. What is it? Meal 1 = £5, Meal 2 = £12, Meal 3 = £x, Meal 4 = £24 & meal 5 = £3	
Paul is the tallest in the class at 2.01m. Kelly is the shortest at 1.42m The range of heights in the class is 59cm. Paul and Kelly are also in the class. (i) Is Mike taller than Paul? (ii) Is Helen shorter than Kelly?	
One boy has 1m of rope, another has 2m of rope and a third boy has 3m of rope. What is the average amount of rope each boy has?	
The range of a set of numbers is 53. One number, x, is not stated. What is the number? 98, 56, x, 49, 74, 87, 91	
The mode of the set of numbers below is 5. Find the numbers that x cannot be: 3, 4, 6, x, 5, 4, 1, 2, 5, 6, 9, 5	
The median of a set of number is 8. What is the value of x? (they have been ordered) 1,3,4,5,5,x,12,15,20,25	
Bob has scored 50, 50, 50 and 50 in 4 tests. What must he score in the 5 th and final test to have an average mark of 55?	
The means of the following numbers is 6. What is the value of x? 1,4,3,10,x,5,2,6	
The average height of 2 boys is 1.8m. When the third boy joins them, their average height becomes 1.6m. How tall is the 3 rd boy?	
John scores an average of 50 over 5 tests. One of his scores is missing. The other 4 scores are 43, 61, 65 and 46. What is his missing score?	

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