



Question 2: Shown are the ages and weights of 5 dogs.

	Fido	Lucky	Toto	Barney	Tess
Age	4	12	7	9	1
Weight	14kg	9kg	30kg	16kg	8kg

- (a) Which dog has the median age?
- (b) Which dog has the median weight?

Question 3: The height of some footballers are listed below:

1.81m, 1.78m, 1.88m, 1.79m, 1.86m, 1.85m, 1.78m, 1.93m

- (a) Work out the median height
- (b) What is the modal height?
- Question 4: Write down five numbers with a median of 7
- Question 5: Write down eight numbers with a median of 10
- Question 6: Write down four different numbers with a median of 4.5
- Question 7: Write down six different numbers with a median of 0

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- (a) 5, 9, 1, 5, 7, 4, 3
 (b) 6, 7, 10, 8, 9, 9
 (c) 21, 15, 19, 24, 30, 26
 (d) 210, 250, 260, 180, 240
 (e) 6.2, 7.3, 8.8, 1.5, 4.1
 (f) 3, 1, 2, 1, 3, 4, 5, 0, 1
 (g) -5, 1, 3, 6, -8, 1
 (h) -6, -10, -2, -9
 (i) 0, 7, 9, -21, 10, -4
- (j) 7, 9, -2, 13, 9, 8, 20, -8, 1 (k) -10, -6, -15, -9, -8, -7, 8, -3
- Question 2: The range for a list of numbers is 7. The smallest value is 4. What is the largest value in the list?
- Question 3: The range for a list of numbers is 8. The largest value is 13. What is the smallest value in the list?
- Question 4: The range for a list of numbers is 1. The largest value is 4. What is the smallest value in the list?
- Question 5: The range for a list of numbers is 27. The smallest value is 87. What is the largest value in the list?
- Question 6: The number of points that Randalstown Rugby Club scored in eight matches are 24, 17, 19, 35, 9, 43, 15, 30.
- (a) Work out the range of the number of points scored.
- (b) Work out the median of the number of points scored.

Question 7: The table shows the midday temperature over five days. Each temperature is in degrees celsius.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	
Temperature	-4	1	-6	1	-2	

(a) Work out the range of the temperatures.

(b) Work out the mean temperature.

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Question 9: Belfast Giants have played 5 matches and the mean number of goals scored is 3 When they play the 6th match, the mean increases to 4.

How many goals were scored in the 6th match?

Question 10: James is a car salesman. He has a target of selling 5 cars a day from Monday to Friday. Over Monday to Thursday, he has sold a mean of 6 cars a day. How many cars must he sell on Friday to meet his target?



Question 11: A teacher surveys a group of students. He asks how much pocket money they receive each week. They respond

£5 £8 £4 £50 £6 £8 £7.50 £10 £8 £7

- (a) Work out the median
- (b) Work out the mean
- (c) Which average, the median or the mean, is most suitable for this data?

Question 12: A set of six numbers have a median of 9. All of the numbers are even. The range of the numbers is 8. The mode of the numbers is 6.

Write down a possible set of six numbers.

Question 13: Shown below are five cards which are arranged in order from smallest to largest



The range of the cards is 6. The median of the cards is 7. The mean of the cards is 8.

Work out the 4 missing numbers.





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