1. Here are the distances, in kilometres, walked by 15 ramblers on one day.

   3   4   5   6   7   8   11   12   13   14   15   16   18   22   27

   (a) Complete this table.

	Distance (in km)
Shortest distance	
Lower quartile	
Median	
Upper quartile	
Longest distance	

   (b) Work out the range.

   (c) Work out the interquartile range.

2. Here are the distances, in miles, travelled by 11 vintage car drivers to reach a rally.

   7   15   21   29   33   47   61   75   84   97   105

   (a) Complete this table.

	Distance (in miles)
Shortest distance	
Lower quartile	
Median	
Upper quartile	
Longest distance	

   (b) Work out the range.

   (c) Work out the interquartile range.

Please TURN over for two MORE questions

MMMRQ {mean, median, mode, range and quartiles}: separate (11) answers

1a)	Distance (in km)		2a)	Distance (in miles)
Shortest distance	3		Shortest distance	7
Lower quartile	6		Lower quartile	21
Median	12		Median	47
Upper quartile	16		Upper quartile	84
Longest distance	27		Longest distance	105

1b) 24 km   1c) 10 km   2b) 98 miles   2c) 63 miles

3. Here are the distances, in kilometres, walked by 15 cyclists on one day.

   9   11   13   14   15   19   21   23   25   28   36   39   41   43   51

   (a) Complete this table.

	Distance (in km)
Shortest distance	
Lower quartile	
Median	
Upper quartile	
Longest distance	

   (b) Work out the range.

   (c) Work out the interquartile range.

4. Here are the times spent, in minutes, by 19 students on their journey to school one day.

   5 7 7 8 9 10 12 15 16 18 19 20 22 23 24 25 28 33 42

   (a) Complete this table.

	Time(minutes)
Shortest time	
Lower quartile	
Median	
Upper quartile	
Longest time	

   (b) Work out the range.

   (c) Work out the interquartile range.

MMMRQ {mean, median, mode, range and quartiles}: separate (11) answers

3a)	Distance (in km)
Shortest distance	9
Lower quartile	14
Median	23
Upper quartile	39
Longest distance	51

4a)	Time(minutes)
Shortest time	5
Lower quartile	9
Median	18
Upper quartile	24
Longest time	42

3b) 42 km   3c) 25 km   4b) 37   4c) 15