Find the Mean, Median, Interquartile Range and Mean Absolute Deviation of the set of numbers. If possible round to the nearest tenth.

Ex) 8 , 5 , 4 , 4 , 9

4, 4, 5, 8, 9

Q1 = 4

Q3 = 8.5

mean = 6 Number 4 4 5 8 9

median = 5 distance 2 2 1 2 3

I.Q.R. = 4.5

M.A.D. = 2

1) 6 , 5 , 4 , 3 , 2

2) 6 , 9 , 8 , 4 , 4 , 1

3) 7 , 1 , 4 , 7 , 2 , 4

4) 3 , 1 , 6 , 8 , 7 , 6 , 5

5) 3 , 7 , 2 , 5 , 7 , 9 , 5

6) 2 , 1 , 8 , 4 , 2 , 3 , 1 , 9

7) 9 , 6 , 6 , 7 , 7 , 1 , 4 , 1

Answers

Ex.	**6**	**5**	**4.5**	**2**
1.				
2.				
3.				
4.				
5.				
6.				
7.				

1-7	86	71	57	43	29	14	0

Find the Mean, Median, Interquartile Range and Mean Absolute Deviation of the set of numbers. If possible round to the nearest tenth.

Ex) 8 , 5 , 4 , 4 , 9
4, 4, 5, 8, 9
Q1 = 4
Q3 = 8.5
mean = 6 Number 4 4 5 8 9
median = 5 distance 2 2 1 2 3
I.Q.R. = 4.5
M.A.D. = 2

1) 6 , 5 , 4 , 3 , 2
2, 3, 4, 5, 6
Q1 = 2.5
Q3 = 5.5
mean = 4 Number 2 3 4 5 6
median = 4 distance 2 1 0 1 2
I.Q.R. = 3
M.A.D. = 1.2

2) 6 , 9 , 8 , 4 , 4 , 1
1, 4, 4, 6, 8, 9
Q1 = 4
Q3 = 8
mean = 5.3 Number 1 4 4 6 8 9
median = 5 distance 4.3 1.3 1.3 0.7 2.7 3.7
I.Q.R. = 4
M.A.D. = 2.3

3) 7 , 1 , 4 , 7 , 2 , 4
1, 2, 4, 4, 7, 7
Q1 = 2
Q3 = 7
mean = 4.2 Number 1 2 4 4 7 7
median = 4 distance 3.2 2.2 0.2 0.2 2.8 2.8
I.Q.R. = 5
M.A.D. = 1.9

4) 3 , 1 , 6 , 8 , 7 , 6 , 5
1, 3, 5, 6, 6, 7, 8
Q1 = 3
Q3 = 7
mean = 5.1 Number 1 3 5 6 6 7 8
median = 6 distance 4.1 2.1 0.1 0.9 0.9 1.9 2.9
I.Q.R. = 4
M.A.D. = 1.8

5) 3 , 7 , 2 , 5 , 7 , 9 , 5
2, 3, 5, 5, 7, 7, 9
Q1 = 3
Q3 = 7
mean = 5.4 Number 2 3 5 5 7 7 9
median = 5 distance 3.4 2.4 0.4 0.4 1.6 1.6 3.6
I.Q.R. = 4
M.A.D. = 1.9

6) 2 , 1 , 8 , 4 , 2 , 3 , 1 , 9
1, 1, 2, 2, 3, 4, 8, 9
Q1 = 1.5
Q3 = 6
mean = 3.8 Number 1 1 2 2 3 4 8 9
median = 2.5 distance 2.8 2.8 1.8 1.8 0.8 0.2 4.2 5.2
I.Q.R. = 4.5
M.A.D. = 2.5

7) 9 , 6 , 6 , 7 , 7 , 1 , 4 , 1
1, 1, 4, 6, 6, 7, 7, 9
Q1 = 2.5
Q3 = 7
mean = 5.1 Number 1 1 4 6 6 7 7 9
median = 6 distance 4.1 4.1 1.1 0.9 0.9 1.9 1.9 3.9
I.Q.R. = 4.5
M.A.D. = 2.4

Answers

Ex.	6	5	4.5	2
1.	4	4	3	1.2
2.	5.3	5	4	2.3
3.	4.2	4	5	1.9
4.	5.1	6	4	1.8
5.	5.4	5	4	1.9
6.	3.8	2.5	4.5	2.5
7.	5.1	6	4.5	2.4

1-7	86	71	57	43	29	14	0