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

Ex) 1 , 5 , 2 , 2 , 9

1, 2, 2, 5, 9

Q1 = 1.5

Q3 = 7

mean = 3.8 Number 1 2 2 5 9

median = 2 distance 2.8 1.8 1.8 1.2 5.2

I.Q.R. = 5.5

M.A.D. = 2.6

1) 5 , 9 , 6 , 7 , 1

2) 5 , 6 , 9 , 7 , 5 , 9

3) 6 , 6 , 2 , 9 , 7 , 3

4) 5 , 9 , 2 , 9 , 3 , 6 , 1

5) 6 , 7 , 6 , 4 , 9 , 3 , 5

6) 6 , 8 , 7 , 5 , 3 , 3 , 6 , 7

7) 7 , 3 , 3 , 3 , 6 , 8 , 3 , 6

Answers

Ex.	3.8	2	5.5	2.6
1.				
2.				
3.				
4.				
5.				
6.				
7.				

1-7	86	71	57	43	29	14	0

Examining Data Sets Name: **Answer Key**

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

Ex) 1 , 5 , 2 , 2 , 9
1, 2, 2, 5, 9
Q1 = 1.5
Q3 = 7
mean = 3.8 Number 1 2 2 5 9
median = 2 distance 2.8 1.8 1.8 1.2 5.2
I.Q.R. = 5.5
M.A.D. = 2.6

1) 5 , 9 , 6 , 7 , 1
1, 5, 6, 7, 9
Q1 = 3
Q3 = 8
mean = 5.6 Number 1 5 6 7 9
median = 6 distance 4.6 0.6 0.4 1.4 3.4
I.Q.R. = 5
M.A.D. = 2.1

2) 5 , 6 , 9 , 7 , 5 , 9
5, 5, 6, 7, 9, 9
Q1 = 5
Q3 = 9
mean = 6.8 Number 5 5 6 7 9 9
median = 6.5 distance 1.8 1.8 0.8 0.2 2.2 2.2
I.Q.R. = 4
M.A.D. = 1.5

3) 6 , 6 , 2 , 9 , 7 , 3
2, 3, 6, 6, 7, 9
Q1 = 3
Q3 = 7
mean = 5.5 Number 2 3 6 6 7 9
median = 6 distance 3.5 2.5 0.5 0.5 1.5 3.5
I.Q.R. = 4
M.A.D. = 2

4) 5 , 9 , 2 , 9 , 3 , 6 , 1
1, 2, 3, 5, 6, 9, 9
Q1 = 2
Q3 = 9
mean = 5 Number 1 2 3 5 6 9 9
median = 5 distance 4 3 2 0 1 4 4
I.Q.R. = 7
M.A.D. = 2.6

5) 6 , 7 , 6 , 4 , 9 , 3 , 5
3, 4, 5, 6, 6, 7, 9
Q1 = 4
Q3 = 7
mean = 5.7 Number 3 4 5 6 6 7 9
median = 6 distance 2.7 1.7 0.7 0.3 0.3 1.3 3.3
I.Q.R. = 3
M.A.D. = 1.5

6) 6 , 8 , 7 , 5 , 3 , 3 , 6 , 7
3, 3, 5, 6, 6, 7, 7, 8
Q1 = 4
Q3 = 7
mean = 5.6 Number 3 3 5 6 6 7 7 8
median = 6 distance 2.6 2.6 0.6 0.4 0.4 1.4 1.4 2.4
I.Q.R. = 3
M.A.D. = 1.5

7) 7 , 3 , 3 , 3 , 6 , 8 , 3 , 6
3, 3, 3, 3, 6, 6, 7, 8
Q1 = 3
Q3 = 6.5
mean = 4.9 Number 3 3 3 3 6 6 7 8
median = 4.5 distance 1.9 1.9 1.9 1.9 1.1 1.1 2.1 3.1
I.Q.R. = 3.5
M.A.D. = 1.9

Answers

Ex.	3.8	2	5.5	2.6
1.	5.6	6	5	2.1
2.	6.8	6.5	4	1.5
3.	5.5	6	4	2
4.	5	5	7	2.6
5.	5.7	6	3	1.5
6.	5.6	6	3	1.5
7.	4.9	4.5	3.5	1.9

1-7	86	71	57	43	29	14	0