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

Ex) 7 , 4 , 4 , 2 , 1

1, 2, 4, 4, 7

Q1 = 1.5

Q3 = 5.5

mean = 3.6 Number 1 2 4 4 7

median = 4 distance 2.6 1.6 0.4 0.4 3.4

I.Q.R. = 4

M.A.D. = 1.7

1) 4 , 9 , 4 , 5 , 5

2) 2 , 1 , 9 , 6 , 1 , 1

3) 1 , 6 , 9 , 2 , 9 , 7

4) 9 , 9 , 8 , 4 , 6 , 9 , 6

5) 7 , 1 , 8 , 5 , 5 , 2 , 5

6) 4 , 6 , 7 , 3 , 2 , 5 , 1 , 3

7) 3 , 5 , 4 , 3 , 9 , 8 , 5 , 9

Answers

Ex.	3.6	4	4	1.7
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) 7 , 4 , 4 , 2 , 1
1, 2, 4, 4, 7
Q1 = 1.5
Q3 = 5.5
mean = 3.6 Number 1 2 4 4 7
median = 4 distance 2.6 1.6 0.4 0.4 3.4
I.Q.R. = 4
M.A.D. = 1.7

1) 4 , 9 , 4 , 5 , 5
4, 4, 5, 5, 9
Q1 = 4
Q3 = 7
mean = 5.4 Number 4 4 5 5 9
median = 5 distance 1.4 1.4 0.4 0.4 3.6
I.Q.R. = 3
M.A.D. = 1.4

2) 2 , 1 , 9 , 6 , 1 , 1
1, 1, 1, 2, 6, 9
Q1 = 1
Q3 = 6
mean = 3.3 Number 1 1 1 2 6 9
median = 1.5 distance 2.3 2.3 2.3 1.3 2.7 5.7
I.Q.R. = 5
M.A.D. = 2.8

3) 1 , 6 , 9 , 2 , 9 , 7
1, 2, 6, 7, 9, 9
Q1 = 2
Q3 = 9
mean = 5.7 Number 1 2 6 7 9 9
median = 6.5 distance 4.7 3.7 0.3 1.3 3.3 3.3
I.Q.R. = 7
M.A.D. = 2.8

4) 9 , 9 , 8 , 4 , 6 , 9 , 6
4, 6, 6, 8, 9, 9, 9
Q1 = 6
Q3 = 9
mean = 7.3 Number 4 6 6 8 9 9 9
median = 8 distance 3.3 1.3 1.3 0.7 1.7 1.7 1.7
I.Q.R. = 3
M.A.D. = 1.7

5) 7 , 1 , 8 , 5 , 5 , 2 , 5
1, 2, 5, 5, 5, 7, 8
Q1 = 2
Q3 = 7
mean = 4.7 Number 1 2 5 5 5 7 8
median = 5 distance 3.7 2.7 0.3 0.3 0.3 2.3 3.3
I.Q.R. = 5
M.A.D. = 1.8

6) 4 , 6 , 7 , 3 , 2 , 5 , 1 , 3
1, 2, 3, 3, 4, 5, 6, 7
Q1 = 2.5
Q3 = 5.5
mean = 3.9 Number 1 2 3 3 4 5 6 7
median = 3.5 distance 2.9 1.9 0.9 0.9 0.1 1.1 2.1 3.1
I.Q.R. = 3
M.A.D. = 1.6

7) 3 , 5 , 4 , 3 , 9 , 8 , 5 , 9
3, 3, 4, 5, 5, 8, 9, 9
Q1 = 3.5
Q3 = 8.5
mean = 5.8 Number 3 3 4 5 5 8 9 9
median = 5 distance 2.8 2.8 1.8 0.8 0.8 2.2 3.2 3.2
I.Q.R. = 5
M.A.D. = 2.2

Answers

Ex.	3.6	4	4	1.7
1.	5.4	5	3	1.4
2.	3.3	1.5	5	2.8
3.	5.7	6.5	7	2.8
4.	7.3	8	3	1.7
5.	4.7	5	5	1.8
6.	3.9	3.5	3	1.6
7.	5.8	5	5	2.2

1-7	86	71	57	43	29	14	0