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

Ex) 2, 7, 2, 7, 8
2, 2, 7, 7, 8
Q1 = 2
Q3 = 7.5
mean = 5.2 Number 2 2 7 7 8
median = 7 Distance 3.2 3.2 1.8 1.8 2.8
I.Q.R. = 5.5
M.A.D. = 2.6

1) 8, 9, 8, 9, 3

2) 2, 7, 5, 3, 7, 4

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

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

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

6) 3, 5, 3, 6, 1, 4, 1, 1

7) 8, 9, 6, 5, 2, 4, 8, 7

Answers

Ex.	5.2	7	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) 2, 7, 2, 7, 8
2, 2, 7, 7, 8
Q1 = 2
Q3 = 7.5
mean = 5.2 Number 2 2 7 7 8
median = 7 Distance 3.2 3.2 1.8 1.8 2.8
I.Q.R. = 5.5
M.A.D. = 2.6

1) 8, 9, 8, 9, 3
3, 8, 8, 9, 9
Q1 = 5.5
Q3 = 9
mean = 7.4 Number 3 8 8 9 9
median = 8 Distance 4.4 0.6 0.6 1.6 1.6
I.Q.R. = 3.5
M.A.D. = 1.8

2) 2, 7, 5, 3, 7, 4
2, 3, 4, 5, 7, 7
Q1 = 3
Q3 = 7
mean = 4.7 Number 2 3 4 5 7 7
median = 4.5 Distance 2.7 1.7 0.7 0.3 2.3 2.3
I.Q.R. = 4
M.A.D. = 1.7

3) 1, 6, 8, 4, 3, 2
1, 2, 3, 4, 6, 8
Q1 = 2
Q3 = 6
mean = 4 Number 1 2 3 4 6 8
median = 3.5 Distance 3 2 1 0 2 4
I.Q.R. = 4
M.A.D. = 2

4) 8, 1, 9, 2, 3, 3, 3
1, 2, 3, 3, 3, 8, 9
Q1 = 2
Q3 = 8
mean = 4.1 Number 1 2 3 3 3 8 9
median = 3 Distance 3.1 2.1 1.1 1.1 1.1 3.9 4.9
I.Q.R. = 6
M.A.D. = 2.5

5) 3, 6, 8, 1, 4, 4, 1
1, 1, 3, 4, 4, 6, 8
Q1 = 1
Q3 = 6
mean = 3.9 Number 1 1 3 4 4 6 8
median = 4 Distance 2.9 2.9 0.9 0.1 0.1 2.1 4.1
I.Q.R. = 5
M.A.D. = 1.9

6) 3, 5, 3, 6, 1, 4, 1, 1
1, 1, 1, 3, 3, 4, 5, 6
Q1 = 1
Q3 = 4.5
mean = 3 Number 1 1 1 3 3 4 5 6
median = 3 Distance 2 2 2 0 0 1 2 3
I.Q.R. = 3.5
M.A.D. = 1.5

7) 8, 9, 6, 5, 2, 4, 8, 7
2, 4, 5, 6, 7, 8, 8, 9
Q1 = 4.5
Q3 = 8
mean = 6.1 Number 2 4 5 6 7 8 8 9
median = 6.5 Distance 4.1 2.1 1.1 0.1 0.9 1.9 1.9 2.9
I.Q.R. = 3.5
M.A.D. = 1.9

Answers

Ex.	5.2	7	5.5	2.6
1.	7.4	8	3.5	1.8
2.	4.7	4.5	4	1.7
3.	4	3.5	4	2
4.	4.1	3	6	2.5
5.	3.9	4	5	1.9
6.	3	3	3.5	1.5
7.	6.1	6.5	3.5	1.9

1-7	86	71	57	43	29	14	0