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

Ex) 5 , 2 , 6 , 5 , 1

1, 2, 5, 5, 6

Q1 = 1.5

Q3 = 5.5

mean = 3.8

median = 5

I.Q.R. = 4

M.A.D. = 1.8

Number	1	2	5	5	6
distance	2.8	1.8	1.2	1.2	2.2

1) 9 , 8 , 3 , 6 , 4

2) 8 , 4 , 1 , 6 , 7 , 2

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

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

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

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

7) 3 , 8 , 7 , 6 , 6 , 8 , 6 , 4

Answers

Ex.	3.8	5	4	1.8
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) 5 , 2 , 6 , 5 , 1
1, 2, 5, 5, 6
Q1 = 1.5
Q3 = 5.5

mean = 3.8 Number 1 2 5 5 6
median = 5 distance 2.8 1.8 1.2 1.2 2.2
I.Q.R. = 4
M.A.D. = 1.8

1) 9 , 8 , 3 , 6 , 4
3, 4, 6, 8, 9
Q1 = 3.5
Q3 = 8.5

mean = 6 Number 3 4 6 8 9
median = 6 distance 3 2 0 2 3
I.Q.R. = 5
M.A.D. = 2

2) 8 , 4 , 1 , 6 , 7 , 2
1, 2, 4, 6, 7, 8
Q1 = 2
Q3 = 7

mean = 4.7 Number 1 2 4 6 7 8
median = 5 distance 3.7 2.7 0.7 1.3 2.3 3.3
I.Q.R. = 5
M.A.D. = 2.3

3) 4 , 1 , 6 , 2 , 7 , 2
1, 2, 2, 4, 6, 7
Q1 = 2
Q3 = 6

mean = 3.7 Number 1 2 2 4 6 7
median = 3 distance 2.7 1.7 1.7 0.3 2.3 3.3
I.Q.R. = 4
M.A.D. = 2

4) 7 , 3 , 5 , 6 , 1 , 7 , 6
1, 3, 5, 6, 6, 7, 7
Q1 = 3
Q3 = 7

mean = 5 Number 1 3 5 6 6 7 7
median = 6 distance 4 2 0 1 1 2 2
I.Q.R. = 4
M.A.D. = 1.7

5) 8 , 9 , 4 , 9 , 3 , 3 , 4
3, 3, 4, 4, 8, 9, 9
Q1 = 3
Q3 = 9

mean = 5.7 Number 3 3 4 4 8 9 9
median = 4 distance 2.7 2.7 1.7 1.7 2.3 3.3 3.3
I.Q.R. = 6
M.A.D. = 2.5

6) 2 , 1 , 2 , 3 , 1 , 7 , 7 , 1
1, 1, 1, 2, 2, 3, 7, 7
Q1 = 1
Q3 = 5

mean = 3 Number 1 1 1 2 2 3 7 7
median = 2 distance 2 2 2 1 1 0 4 4
I.Q.R. = 4
M.A.D. = 2

7) 3 , 8 , 7 , 6 , 6 , 8 , 6 , 4
3, 4, 6, 6, 6, 7, 8, 8
Q1 = 5
Q3 = 7.5

mean = 6 Number 3 4 6 6 6 7 8 8
median = 6 distance 3 2 0 0 0 1 2 2
I.Q.R. = 2.5
M.A.D. = 1.3

Answers

Ex.	3.8	5	4	1.8
1.	6	6	5	2
2.	4.7	5	5	2.3
3.	3.7	3	4	2
4.	5	6	4	1.7
5.	5.7	4	6	2.5
6.	3	2	4	2
7.	6	6	2.5	1.3

1-7	86	71	57	43	29	14	0