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

Ex) 7 , 7 , 2 , 7 , 9

2, 7, 7, 7, 9

Q1 = 4.5

Q3 = 8

mean = 6.4 Number 2 7 7 7 9

median = 7 distance 4.4 0.6 0.6 0.6 2.6

I.Q.R. = 3.5

M.A.D. = 1.8

1) 2 , 9 , 1 , 5 , 5

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

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

4) 2 , 5 , 9 , 5 , 2 , 9 , 4

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

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

7) 6 , 7 , 5 , 8 , 2 , 3 , 5 , 7

Answers

Ex. **6.4** **7** **3.5** **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) 7 , 7 , 2 , 7 , 9
2, 7, 7, 7, 9
Q1 = 4.5
Q3 = 8
mean = 6.4 Number 2 7 7 7 9
median = 7 distance 4.4 0.6 0.6 0.6 2.6
I.Q.R. = 3.5
M.A.D. = 1.8

1) 2 , 9 , 1 , 5 , 5
1, 2, 5, 5, 9
Q1 = 1.5
Q3 = 7
mean = 4.4 Number 1 2 5 5 9
median = 5 distance 3.4 2.4 0.6 0.6 4.6
I.Q.R. = 5.5
M.A.D. = 2.3

2) 4 , 7 , 5 , 1 , 3 , 3
1, 3, 3, 4, 5, 7
Q1 = 3
Q3 = 5
mean = 3.8 Number 1 3 3 4 5 7
median = 3.5 distance 2.8 0.8 0.8 0.2 1.2 3.2
I.Q.R. = 2
M.A.D. = 1.5

3) 4 , 1 , 2 , 3 , 1 , 8
1, 1, 2, 3, 4, 8
Q1 = 1
Q3 = 4
mean = 3.2 Number 1 1 2 3 4 8
median = 2.5 distance 2.2 2.2 1.2 0.2 0.8 4.8
I.Q.R. = 3
M.A.D. = 1.9

4) 2 , 5 , 9 , 5 , 2 , 9 , 4
2, 2, 4, 5, 5, 9, 9
Q1 = 2
Q3 = 9
mean = 5.1 Number 2 2 4 5 5 9 9
median = 5 distance 3.1 3.1 1.1 0.1 0.1 3.9 3.9
I.Q.R. = 7
M.A.D. = 2.2

5) 2 , 6 , 9 , 8 , 4 , 9 , 8
2, 4, 6, 8, 8, 9, 9
Q1 = 4
Q3 = 9
mean = 6.6 Number 2 4 6 8 8 9 9
median = 8 distance 4.6 2.6 0.6 1.4 1.4 2.4 2.4
I.Q.R. = 5
M.A.D. = 2.2

6) 8 , 5 , 1 , 6 , 6 , 5 , 8 , 4
1, 4, 5, 5, 6, 6, 8, 8
Q1 = 4.5
Q3 = 7
mean = 5.4 Number 1 4 5 5 6 6 8 8
median = 5.5 distance 4.4 1.4 0.4 0.4 0.6 0.6 2.6 2.6
I.Q.R. = 2.5
M.A.D. = 1.6

7) 6 , 7 , 5 , 8 , 2 , 3 , 5 , 7
2, 3, 5, 5, 6, 7, 7, 8
Q1 = 4
Q3 = 7
mean = 5.4 Number 2 3 5 5 6 7 7 8
median = 5.5 distance 3.4 2.4 0.4 0.4 0.6 1.6 1.6 2.6
I.Q.R. = 3
M.A.D. = 1.6

Answers

Ex.	6.4	7	3.5	1.8
1.	4.4	5	5.5	2.3
2.	3.8	3.5	2	1.5
3.	3.2	2.5	3	1.9
4.	5.1	5	7	2.2
5.	6.6	8	5	2.2
6.	5.4	5.5	2.5	1.6
7.	5.4	5.5	3	1.6

1-7	86	71	57	43	29	14	0