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

Ex) 8 , 5 , 4 , 4 , 9

4, 4, 5, 8, 9

Q1 = 4

Q3 = 8.5

mean = 6

median = 5

I.Q.R. = 4.5

M.A.D. = 2

Number	4	4	5	8	9
distance	2	2	1	2	3

1) 6 , 5 , 4 , 3 , 2

2) 6 , 9 , 8 , 4 , 4 , 1

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

4) 3 , 1 , 6 , 8 , 7 , 6 , 5

5) 3 , 7 , 2 , 5 , 7 , 9 , 5

6) 2 , 1 , 8 , 4 , 2 , 3 , 1 , 9

7) 9 , 6 , 6 , 7 , 7 , 1 , 4 , 1

Answers

Ex.	6	5	4.5	2
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) 8 , 5 , 4 , 4 , 9
4, 4, 5, 8, 9
Q1 = 4
Q3 = 8.5

mean = 6
median = 5
I.Q.R. = 4.5
M.A.D. = 2

Number	4	4	5	8	9
distance	2	2	1	2	3

1) 6 , 5 , 4 , 3 , 2
2, 3, 4, 5, 6
Q1 = 2.5
Q3 = 5.5

mean = 4
median = 4
I.Q.R. = 3
M.A.D. = 1.2

Number	2	3	4	5	6
distance	2	1	0	1	2

2) 6 , 9 , 8 , 4 , 4 , 1
1, 4, 4, 6, 8, 9
Q1 = 4
Q3 = 8

mean = 5.3
median = 5
I.Q.R. = 4
M.A.D. = 2.3

Number	1	4	4	6	8	9
distance	4.3	1.3	1.3	0.7	2.7	3.7

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

mean = 4.2
median = 4
I.Q.R. = 5
M.A.D. = 1.9

Number	1	2	4	4	7	7
distance	3.2	2.2	0.2	0.2	2.8	2.8

4) 3 , 1 , 6 , 8 , 7 , 6 , 5
1, 3, 5, 6, 6, 7, 8
Q1 = 3
Q3 = 7

mean = 5.1
median = 6
I.Q.R. = 4
M.A.D. = 1.8

Number	1	3	5	6	6	7	8
distance	4.1	2.1	0.1	0.9	0.9	1.9	2.9

5) 3 , 7 , 2 , 5 , 7 , 9 , 5
2, 3, 5, 5, 7, 7, 9
Q1 = 3
Q3 = 7

mean = 5.4
median = 5
I.Q.R. = 4
M.A.D. = 1.9

Number	2	3	5	5	7	7	9
distance	3.4	2.4	0.4	0.4	1.6	1.6	3.6

6) 2 , 1 , 8 , 4 , 2 , 3 , 1 , 9
1, 1, 2, 2, 3, 4, 8, 9
Q1 = 1.5
Q3 = 6

mean = 3.8
median = 2.5
I.Q.R. = 4.5
M.A.D. = 2.5

Number	1	1	2	2	3	4	8	9
distance	2.8	2.8	1.8	1.8	0.8	0.2	4.2	5.2

7) 9 , 6 , 6 , 7 , 7 , 1 , 4 , 1
1, 1, 4, 6, 6, 7, 7, 9
Q1 = 2.5
Q3 = 7

mean = 5.1
median = 6
I.Q.R. = 4.5
M.A.D. = 2.4

Number	1	1	4	6	6	7	7	9
distance	4.1	4.1	1.1	0.9	0.9	1.9	1.9	3.9

Answers

Ex.	6	5	4.5	2
1.	4	4	3	1.2
2.	5.3	5	4	2.3
3.	4.2	4	5	1.9
4.	5.1	6	4	1.8
5.	5.4	5	4	1.9
6.	3.8	2.5	4.5	2.5
7.	5.1	6	4.5	2.4

1-7	86	71	57	43	29	14	0