



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

Ex) 8, 6, 8, 6, 7
 6, 6, 7, 8, 8
 Q1 = 6
 Q3 = 8

$$\text{Mean} = 7$$

$$\text{Median} = 7$$

$$\text{I.Q.R.} = 2$$

$$\text{M.A.D.} = 0.8$$

Number	6	6	7	8	8
Distance	1	1	0	1	1

Answers

Ex. 7 7 2 0.8

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 1, 8, 4, 6, 5

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

3) 3, 5, 6, 5, 2, 5

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

5) 4, 1, 2, 9, 8, 4, 6

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

7) 8, 5, 9, 1, 1, 6, 3, 9



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Answers

Ex) 8, 6, 8, 6, 7
6, 6, 7, 8, 8
Q1 = 6
Q3 = 8

Mean = 7
Median = 7
I.Q.R. = 2
M.A.D. = 0.8

Number	6	6	7	8	8
Distance	1	1	0	1	1

Ex. 7 7 2 0.8

1) 1, 8, 4, 6, 5
1, 4, 5, 6, 8
Q1 = 2.5
Q3 = 7

Mean = 4.8
Median = 5
I.Q.R. = 4.5
M.A.D. = 1.8

Number	1	4	5	6	8
Distance	3.8	0.8	0.2	1.2	3.2

1. 4.8 5 4.5 1.8

2) 8, 4, 8, 3, 8, 9
3, 4, 8, 8, 8, 9
Q1 = 4
Q3 = 8

Mean = 6.7
Median = 8
I.Q.R. = 4
M.A.D. = 2.1

Number	3	4	8	8	8	9
Distance	3.7	2.7	1.3	1.3	1.3	2.3

2. 6.7 8 4 2.1

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

Mean = 4.3
Median = 5
I.Q.R. = 2
M.A.D. = 1.2

Number	2	3	5	5	5	6
Distance	2.3	1.3	0.7	0.7	0.7	1.7

3. 4.3 5 2 1.2

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

Mean = 4.7
Median = 5
I.Q.R. = 4
M.A.D. = 1.8

Number	1	3	4	5	5	7	8
Distance	3.7	1.7	0.7	0.3	0.3	2.3	3.3

4. 4.7 5 4 1.8

5) 4, 1, 2, 9, 8, 4, 6
1, 2, 4, 4, 6, 8, 9
Q1 = 2
Q3 = 8

Mean = 4.9
Median = 4
I.Q.R. = 6
M.A.D. = 2.4

Number	1	2	4	4	6	8	9
Distance	3.9	2.9	0.9	0.9	1.1	3.1	4.1

5. 4.9 4 6 2.4

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

Mean = 5.9
Median = 6
I.Q.R. = 4
M.A.D. = 1.9

Number	2	4	4	6	6	8	8	9
Distance	3.9	1.9	1.9	0.1	0.1	2.1	2.1	3.1

6. 5.9 6 4 1.9

7) 8, 5, 9, 1, 1, 6, 3, 9
1, 1, 3, 5, 6, 8, 9, 9
Q1 = 2
Q3 = 8.5

Mean = 5.3
Median = 5.5
I.Q.R. = 6.5
M.A.D. = 2.8

Number	1	1	3	5	6	8	9	9
Distance	4.3	4.3	2.3	0.3	0.7	2.7	3.7	3.7

7. 5.3 5.5 6.5 2.8