



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

Ex) 9, 1, 1, 6, 6  
 1, 1, 6, 6, 9  
 $Q1 = 1$   
 $Q3 = 7.5$

$$\text{Mean} = 4.6$$

$$\text{Median} = 6$$

$$\text{I.Q.R.} = 6.5$$

$$\text{M.A.D.} = 2.9$$

Number	1	1	6	6	9
Distance	3.6	3.6	1.4	1.4	4.4

### Answers

Ex. 4.6 6 6.5 2.9

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

1) 7, 1, 8, 2, 6

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

3) 6, 4, 6, 2, 4, 5

4) 1, 3, 1, 2, 6, 5, 8

5) 1, 2, 5, 4, 6, 2, 4

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

7) 5, 1, 1, 9, 4, 6, 6, 3



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Answers

Ex) 9, 1, 1, 6, 6  
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Q1 = 1  
Q3 = 7.5

Mean = 4.6

Median = 6

I.Q.R. = 6.5

M.A.D. = 2.9

Number	1	1	6	6	9
Distance	3.6	3.6	1.4	1.4	4.4

Ex. 4.6 6 6.5 2.9

1) 7, 1, 8, 2, 6  
1, 2, 6, 7, 8  
Q1 = 1.5  
Q3 = 7.5

Mean = 4.8

Median = 6

I.Q.R. = 6

M.A.D. = 2.6

Number	1	2	6	7	8
Distance	3.8	2.8	1.2	2.2	3.2

1. 4.8 6 6 2.6

2) 3, 8, 8, 4, 6, 3  
3, 3, 4, 6, 8, 8  
Q1 = 3  
Q3 = 8

Mean = 5.3

Median = 5

I.Q.R. = 5

M.A.D. = 2

Number	3	3	4	6	8	8
Distance	2.3	2.3	1.3	0.7	2.7	2.7

2. 5.3 5 5 2

3) 6, 4, 6, 2, 4, 5  
2, 4, 4, 5, 6, 6  
Q1 = 4  
Q3 = 6

Mean = 4.5

Median = 4.5

I.Q.R. = 2

M.A.D. = 1.2

Number	2	4	4	5	6	6
Distance	2.5	0.5	0.5	0.5	1.5	1.5

3. 4.5 4.5 2 1.2

4) 1, 3, 1, 2, 6, 5, 8  
1, 1, 2, 3, 5, 6, 8  
Q1 = 1  
Q3 = 6

Mean = 3.7

Median = 3

I.Q.R. = 5

M.A.D. = 2.2

Number	1	1	2	3	5	6	8
Distance	2.7	2.7	1.7	0.7	1.3	2.3	4.3

4. 3.7 3 5 2.2

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

Mean = 3.4

Median = 4

I.Q.R. = 3

M.A.D. = 1.5

Number	1	2	2	4	4	5	6
Distance	2.4	1.4	1.4	0.6	0.6	1.6	2.6

5. 3.4 4 3 1.5

6) 9, 6, 6, 8, 2, 5, 9, 8  
2, 5, 6, 6, 8, 8, 9, 9  
Q1 = 5.5  
Q3 = 8.5

Mean = 6.6

Median = 7

I.Q.R. = 3

M.A.D. = 1.9

Number	2	5	6	6	8	8	9	9
Distance	4.6	1.6	0.6	0.6	1.4	1.4	2.4	2.4

6. 6.6 7 3 1.9

7) 5, 1, 1, 9, 4, 6, 6, 3  
1, 1, 3, 4, 5, 6, 6, 9  
Q1 = 2  
Q3 = 6

Mean = 4.4

Median = 4.5

I.Q.R. = 4

M.A.D. = 2.1

Number	1	1	3	4	5	6	6	9
Distance	3.4	3.4	1.4	0.4	0.6	1.6	1.6	4.6

7. 4.4 4.5 4 2.1