



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

Ex) 9, 9, 7, 5, 4  
 4, 5, 7, 9, 9  
 $Q1 = 4.5$   
 $Q3 = 9$

Mean = 6.8

Median = 7

I.Q.R. = 4.5

M.A.D. = 1.8

Number	4	5	7	9	9
Distance	2.8	1.8	0.2	2.2	2.2

### Answers

Ex. 6.8 7 4.5 1.8

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

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

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

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

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

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

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

1) 2, 1, 6, 3, 1

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

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

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

5) 8, 7, 4, 1, 5, 8, 2

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

7) 8, 5, 9, 5, 1, 4, 4, 8



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Ex. 6.8 7 4.5 1.8

1) 2, 1, 6, 3, 1  
1, 1, 2, 3, 6  
Q1 = 1  
Q3 = 4.5

Mean = 2.6

Median = 2

I.Q.R. = 3.5

M.A.D. = 1.5

Number	1	1	2	3	6
Distance	1.6	1.6	0.6	0.4	3.4

1. 2.6 2 3.5 1.5

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

Mean = 5.2

Median = 4

I.Q.R. = 4

M.A.D. = 2.2

Number	2	4	4	4	8	9
Distance	3.2	1.2	1.2	1.2	2.8	3.8

2. 5.2 4 4 2.2

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

Mean = 4.5

Median = 5

I.Q.R. = 5

M.A.D. = 2.2

Number	1	2	4	6	7	7
Distance	3.5	2.5	0.5	1.5	2.5	2.5

3. 4.5 5 5 2.2

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

Mean = 5

Median = 5

I.Q.R. = 3

M.A.D. = 1.4

Number	1	4	5	5	6	7	7
Distance	4	1	0	0	1	2	2

4. 5 5 3 1.4

5) 8, 7, 4, 1, 5, 8, 2  
1, 2, 4, 5, 7, 8, 8  
Q1 = 2  
Q3 = 8

Mean = 5

Median = 5

I.Q.R. = 6

M.A.D. = 2.3

Number	1	2	4	5	7	8	8
Distance	4	3	1	0	2	3	3

5. 5 5 6 2.3

6) 7, 5, 3, 5, 5, 9, 8, 1  
1, 3, 5, 5, 5, 7, 8, 9  
Q1 = 4  
Q3 = 7.5

Mean = 5.4

Median = 5

I.Q.R. = 3.5

M.A.D. = 2

Number	1	3	5	5	5	7	8	9
Distance	4.4	2.4	0.4	0.4	0.4	1.6	2.6	3.6

6. 5.4 5 3.5 2

7) 8, 5, 9, 5, 1, 4, 4, 8  
1, 4, 4, 5, 5, 8, 8, 9  
Q1 = 4  
Q3 = 8

Mean = 5.5

Median = 5

I.Q.R. = 4

M.A.D. = 2.1

Number	1	4	4	5	5	8	8	9
Distance	4.5	1.5	1.5	0.5	0.5	2.5	2.5	3.5

7. 5.5 5 4 2.1