



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

Ex) 3, 7, 7, 8, 1  
 1, 3, 7, 7, 8  
 $Q1 = 2$   
 $Q3 = 7.5$

mean = 5.2  
 median = 7  
 I.Q.R. = 5.5  
 M.A.D. = 2.6

Number	1	3	7	7	8
Distance	4.2	2.2	1.8	1.8	2.8

Answers

Ex. 5.2 7 5.5 2.6

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

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

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

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

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

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

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

1) 6, 7, 5, 4, 1

2) 4, 1, 3, 9, 1, 1

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

4) 7, 1, 8, 3, 7, 7, 9

5) 2, 6, 3, 6, 3, 5, 9

6) 8, 7, 9, 1, 3, 4, 5, 2

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



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Number	1	3	7	7	8
Distance	4.2	2.2	1.8	1.8	2.8

1) 6, 7, 5, 4, 1  
1, 4, 5, 6, 7  
Q1 = 2.5  
Q3 = 6.5

mean = 4.6  
median = 5  
I.Q.R. = 4  
M.A.D. = 1.7

Number	1	4	5	6	7
Distance	3.6	0.6	0.4	1.4	2.4

2) 4, 1, 3, 9, 1, 1  
1, 1, 1, 3, 4, 9  
Q1 = 1  
Q3 = 4

mean = 3.2  
median = 2  
I.Q.R. = 3  
M.A.D. = 2.2

Number	1	1	1	3	4	9
Distance	2.2	2.2	2.2	0.2	0.8	5.8

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

mean = 4  
median = 3.5  
I.Q.R. = 4  
M.A.D. = 2

Number	1	2	3	4	6	8
Distance	3	2	1	0	2	4

4) 7, 1, 8, 3, 7, 7, 9  
1, 3, 7, 7, 7, 8, 9  
Q1 = 3  
Q3 = 8

mean = 6  
median = 7  
I.Q.R. = 5  
M.A.D. = 2.3

Number	1	3	7	7	7	8	9
Distance	5	3	1	1	1	2	3

5) 2, 6, 3, 6, 3, 5, 9  
2, 3, 3, 5, 6, 6, 9  
Q1 = 3  
Q3 = 6

mean = 4.9  
median = 5  
I.Q.R. = 3  
M.A.D. = 1.9

Number	2	3	3	5	6	6	9
Distance	2.9	1.9	1.9	0.1	1.1	1.1	4.1

6) 8, 7, 9, 1, 3, 4, 5, 2  
1, 2, 3, 4, 5, 7, 8, 9  
Q1 = 2.5  
Q3 = 7.5

mean = 4.9  
median = 4.5  
I.Q.R. = 5  
M.A.D. = 2.4

Number	1	2	3	4	5	7	8	9
Distance	3.9	2.9	1.9	0.9	0.1	2.1	3.1	4.1

7) 4, 4, 4, 2, 3, 4, 2, 6  
2, 2, 3, 4, 4, 4, 4, 6  
Q1 = 2.5  
Q3 = 4

mean = 3.6  
median = 4  
I.Q.R. = 1.5  
M.A.D. = 1

Number	2	2	3	4	4	4	4	6
Distance	1.6	1.6	0.6	0.4	0.4	0.4	0.4	2.4

Answers

Ex. 5.2 7 5.5 2.6

1. 4.6 5 4 1.7

2. 3.2 2 3 2.2

3. 4 3.5 4 2

4. 6 7 5 2.3

5. 4.9 5 3 1.9

6. 4.9 4.5 5 2.4

7. 3.6 4 1.5 1