



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

Answers

Ex) 4, 7, 9, 9, 1      mean = 6    Number   1   4   7   9   9  
 1, 4, 7, 9, 9      median = 7   distance   5   2   1   3   3  
 Q1 = 2.5            I.Q.R. = 6.5  
 Q3 = 9              M.A.D. = 2.8

Ex. 6   7   6.5   2.8

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

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

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

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

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

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

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

1) 9, 4, 1, 7, 8

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

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

4) 2, 8, 3, 7, 8, 2, 2

5) 6, 1, 5, 9, 5, 3, 6

6) 3, 3, 5, 5, 9, 8, 2,  
2

7) 1, 1, 5, 7, 9, 2, 5,  
2



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Answers

Ex) 4, 7, 9, 9, 1	mean = 6	Number	1	4	7	9	9
1, 4, 7, 9, 9	median = 7	distance	5	2	1	3	3
Q1 = 2.5	I.Q.R. = 6.5						
Q3 = 9	M.A.D. = 2.8						
1) 9, 4, 1, 7, 8	mean = 5.8	Number	1	4	7	8	9
1, 4, 7, 8, 9	median = 7	distance	4.8	1.8	1.2	2.2	3.2
Q1 = 2.5	I.Q.R. = 6						
Q3 = 8.5	M.A.D. = 2.6						
2) 3, 4, 7, 3, 6, 1	mean = 4	Number	1	3	3	4	6
1, 3, 3, 4, 6, 7	median = 3.5	distance	3	1	1	0	2
Q1 = 3	I.Q.R. = 3						
Q3 = 6	M.A.D. = 1.7						
3) 1, 7, 7, 3, 1, 4	mean = 3.8	Number	1	1	3	4	7
1, 1, 3, 4, 7, 7	median = 3.5	distance	2.8	2.8	0.8	0.2	3.2
Q1 = 1	I.Q.R. = 6						
Q3 = 7	M.A.D. = 2.2						
4) 2, 8, 3, 7, 8, 2, 2	mean = 4.6	Number	2	2	2	3	7
2, 2, 2, 3, 7, 8, 8	median = 3	distance	2.6	2.6	2.6	1.6	2.4
Q1 = 2	I.Q.R. = 6						
Q3 = 8	M.A.D. = 2.7						
5) 6, 1, 5, 9, 5, 3, 6	mean = 5	Number	1	3	5	5	6
1, 3, 5, 5, 6, 6, 9	median = 5	distance	4	2	0	0	1
Q1 = 3	I.Q.R. = 3						
Q3 = 6	M.A.D. = 1.7						
6) 3, 3, 5, 5, 9, 8, 2, 2	mean = 4.6	Number	2	2	3	3	5
2, 2, 3, 3, 5, 5, 8, 9	median = 4	distance	2.6	2.6	1.6	1.6	0.4
Q1 = 2.5	I.Q.R. = 4						
Q3 = 6.5	M.A.D. = 2.1						
7) 1, 1, 5, 7, 9, 2, 5, 2	mean = 4	Number	1	1	2	2	5
1, 1, 2, 2, 5, 5, 7, 9	median = 3.5	distance	3	3	2	2	1
Q1 = 1.5	I.Q.R. = 4.5						
Q3 = 6	M.A.D. = 2.5						

Ex.	<u>6</u>	<u>7</u>	<u>6.5</u>	<u>2.8</u>
1.	<u>5.8</u>	<u>7</u>	<u>6</u>	<u>2.6</u>
2.	<u>4</u>	<u>3.5</u>	<u>3</u>	<u>1.7</u>
3.	<u>3.8</u>	<u>3.5</u>	<u>6</u>	<u>2.2</u>
4.	<u>4.6</u>	<u>3</u>	<u>6</u>	<u>2.7</u>
5.	<u>5</u>	<u>5</u>	<u>3</u>	<u>1.7</u>
6.	<u>4.6</u>	<u>4</u>	<u>4</u>	<u>2.1</u>
7.	<u>4</u>	<u>3.5</u>	<u>4.5</u>	<u>2.5</u>