



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

Answers

Ex) 5, 6, 5, 1, 9      mean = 5.2    Number    1    5    5    6    9  
1, 5, 5, 6, 9      median = 5    distance    4.2    0.2    0.2    0.8    3.8  
Q1 = 3      I.Q.R. = 4.5  
Q3 = 7.5      M.A.D. = 1.8

Ex. 5.2    5    4.5    1.8

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

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

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

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

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

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

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

1) 6, 9, 2, 6, 4

2) 2, 3, 5, 7, 3, 3

3) 2, 6, 7, 2, 2, 9

4) 5, 6, 4, 9, 2, 5, 6

5) 6, 3, 3, 4, 8, 5, 3

6) 3, 8, 8, 7, 6, 2, 4,  
4

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



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**Answers**

|                                                                             |                                                                                                                        |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ex) 5, 6, 5, 1, 9<br>1, 5, 5, 6, 9<br>Q1 = 3<br>Q3 = 7.5                    | mean = 5.2 Number 1 5 5 6 9<br>median = 5 distance 4.2 0.2 0.2 0.8 3.8<br>I.Q.R. = 4.5<br>M.A.D. = 1.8                 |
| 1) 6, 9, 2, 6, 4<br>2, 4, 6, 6, 9<br>Q1 = 3<br>Q3 = 7.5                     | mean = 5.4 Number 2 4 6 6 9<br>median = 6 distance 3.4 1.4 0.6 0.6 3.6<br>I.Q.R. = 4.5<br>M.A.D. = 1.9                 |
| 2) 2, 3, 5, 7, 3, 3<br>2, 3, 3, 3, 5, 7<br>Q1 = 3<br>Q3 = 5                 | mean = 3.8 Number 2 3 3 3 5 7<br>median = 3 distance 1.8 0.8 0.8 0.8 1.2 3.2<br>I.Q.R. = 2<br>M.A.D. = 1.4             |
| 3) 2, 6, 7, 2, 2, 9<br>2, 2, 2, 6, 7, 9<br>Q1 = 2<br>Q3 = 7                 | mean = 4.7 Number 2 2 2 6 7 9<br>median = 4 distance 2.7 2.7 2.7 1.3 2.3 4.3<br>I.Q.R. = 5<br>M.A.D. = 2.7             |
| 4) 5, 6, 4, 9, 2, 5, 6<br>2, 4, 5, 5, 6, 6, 9<br>Q1 = 4<br>Q3 = 6           | mean = 5.3 Number 2 4 5 5 6 6 9<br>median = 5 distance 3.3 1.3 0.3 0.3 0.7 0.7 3.7<br>I.Q.R. = 2<br>M.A.D. = 1.5       |
| 5) 6, 3, 3, 4, 8, 5, 3<br>3, 3, 3, 4, 5, 6, 8<br>Q1 = 3<br>Q3 = 6           | mean = 4.6 Number 3 3 3 4 5 6 8<br>median = 4 distance 1.6 1.6 1.6 0.6 0.4 1.4 3.4<br>I.Q.R. = 3<br>M.A.D. = 1.5       |
| 6) 3, 8, 8, 7, 6, 2, 4, 4<br>2, 3, 4, 4, 6, 7, 8, 8<br>Q1 = 3.5<br>Q3 = 7.5 | mean = 5.3 Number 2 3 4 4 6 7 8 8<br>median = 5 distance 3.3 2.3 1.3 1.3 0.7 1.7 2.7 2.7<br>I.Q.R. = 4<br>M.A.D. = 2   |
| 7) 3, 9, 8, 7, 1, 3, 5, 8<br>1, 3, 3, 5, 7, 8, 8, 9<br>Q1 = 3<br>Q3 = 8     | mean = 5.5 Number 1 3 3 5 7 8 8 9<br>median = 6 distance 4.5 2.5 2.5 0.5 1.5 2.5 2.5 3.5<br>I.Q.R. = 5<br>M.A.D. = 2.5 |

|     |            |          |            |            |
|-----|------------|----------|------------|------------|
| Ex. | <u>5.2</u> | <u>5</u> | <u>4.5</u> | <u>1.8</u> |
| 1.  | <u>5.4</u> | <u>6</u> | <u>4.5</u> | <u>1.9</u> |
| 2.  | <u>3.8</u> | <u>3</u> | <u>2</u>   | <u>1.4</u> |
| 3.  | <u>4.7</u> | <u>4</u> | <u>5</u>   | <u>2.7</u> |
| 4.  | <u>5.3</u> | <u>5</u> | <u>2</u>   | <u>1.5</u> |
| 5.  | <u>4.6</u> | <u>4</u> | <u>3</u>   | <u>1.5</u> |
| 6.  | <u>5.3</u> | <u>5</u> | <u>4</u>   | <u>2</u>   |
| 7.  | <u>5.5</u> | <u>6</u> | <u>5</u>   | <u>2.5</u> |