



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

Answers

Ex) 6, 6, 9, 2, 5      mean = 5.6    Number    2    5    6    6    9  
 2, 5, 6, 6, 9      median = 6    distance    3.6    0.6    0.4    0.4    3.4  
 Q1 = 3.5            I.Q.R. = 4  
 Q3 = 7.5            M.A.D. = 1.7

Ex. 5.6    6    4    1.7

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

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

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

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

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

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

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

1) 7, 5, 2, 2, 2

2) 5, 7, 8, 3, 2, 8

3) 4, 1, 5, 9, 9, 8

4) 9, 7, 6, 7, 4, 1, 7

5) 7, 1, 2, 3, 8, 5, 7

6) 8, 9, 4, 3, 4, 8, 1,  
9

7) 2, 7, 6, 9, 9, 6, 2,  
1



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|   |  |  |
|---|--|--|
| Ex) 6, 6, 9, 2, 5<br>2, 5, 6, 6, 9<br>Q1 = 3.5<br>Q3 = 7.5                  | mean = 5.6<br>median = 6<br>I.Q.R. = 4<br>M.A.D. = 1.7 | Number 2 5 6 6 9<br>distance 3.6 0.6 0.4 0.4 3.4                   |
| 1) 7, 5, 2, 2, 2<br>2, 2, 2, 5, 7<br>Q1 = 2<br>Q3 = 6                       | mean = 3.6<br>median = 2<br>I.Q.R. = 4<br>M.A.D. = 1.9 | Number 2 2 2 5 7<br>distance 1.6 1.6 1.6 1.4 3.4                   |
| 2) 5, 7, 8, 3, 2, 8<br>2, 3, 5, 7, 8, 8<br>Q1 = 3<br>Q3 = 8                 | mean = 5.5<br>median = 6<br>I.Q.R. = 5<br>M.A.D. = 2.2 | Number 2 3 5 7 8 8<br>distance 3.5 2.5 0.5 1.5 2.5 2.5             |
| 3) 4, 1, 5, 9, 9, 8<br>1, 4, 5, 8, 9, 9<br>Q1 = 4<br>Q3 = 9                 | mean = 6<br>median = 6.5<br>I.Q.R. = 5<br>M.A.D. = 2.7 | Number 1 4 5 8 9 9<br>distance 5 2 1 2 3 3                         |
| 4) 9, 7, 6, 7, 4, 1, 7<br>1, 4, 6, 7, 7, 7, 9<br>Q1 = 4<br>Q3 = 7           | mean = 5.9<br>median = 7<br>I.Q.R. = 3<br>M.A.D. = 1.9 | Number 1 4 6 7 7 7 9<br>distance 4.9 1.9 0.1 1.1 1.1 1.1 3.1       |
| 5) 7, 1, 2, 3, 8, 5, 7<br>1, 2, 3, 5, 7, 7, 8<br>Q1 = 2<br>Q3 = 7           | mean = 4.7<br>median = 5<br>I.Q.R. = 5<br>M.A.D. = 2.3 | Number 1 2 3 5 7 7 8<br>distance 3.7 2.7 1.7 0.3 2.3 2.3 3.3       |
| 6) 8, 9, 4, 3, 4, 8, 1, 9<br>1, 3, 4, 4, 8, 8, 9, 9<br>Q1 = 3.5<br>Q3 = 8.5 | mean = 5.8<br>median = 6<br>I.Q.R. = 5<br>M.A.D. = 2.8 | Number 1 3 4 4 8 8 9 9<br>distance 4.8 2.8 1.8 1.8 2.2 2.2 3.2 3.2 |
| 7) 2, 7, 6, 9, 9, 6, 2, 1<br>1, 2, 2, 6, 6, 7, 9, 9<br>Q1 = 2<br>Q3 = 8     | mean = 5.3<br>median = 6<br>I.Q.R. = 6<br>M.A.D. = 2.7 | Number 1 2 2 6 6 7 9 9<br>distance 4.3 3.3 3.3 0.7 0.7 1.7 3.7 3.7 |

Answers

|     |            |            |          |            |
|-----|------------|------------|----------|------------|
| Ex. | <u>5.6</u> | <u>6</u>   | <u>4</u> | <u>1.7</u> |
| 1.  | <u>3.6</u> | <u>2</u>   | <u>4</u> | <u>1.9</u> |
| 2.  | <u>5.5</u> | <u>6</u>   | <u>5</u> | <u>2.2</u> |
| 3.  | <u>6</u>   | <u>6.5</u> | <u>5</u> | <u>2.7</u> |
| 4.  | <u>5.9</u> | <u>7</u>   | <u>3</u> | <u>1.9</u> |
| 5.  | <u>4.7</u> | <u>5</u>   | <u>5</u> | <u>2.3</u> |
| 6.  | <u>5.8</u> | <u>6</u>   | <u>5</u> | <u>2.8</u> |
| 7.  | <u>5.3</u> | <u>6</u>   | <u>6</u> | <u>2.7</u> |