



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

Answers

Ex) 8, 4, 9, 9, 2  
2, 4, 8, 9, 9  
Q1 = 3  
Q3 = 9

mean = 6.4    Number    2    4    8    9    9  
median = 8    distance    4.4    2.4    1.6    2.6    2.6  
I.Q.R. = 6  
M.A.D. = 2.7

Ex. 6.4    8    6    2.7

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

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

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

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

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

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

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

1) 7, 1, 3, 2, 1

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

3) 2, 6, 1, 1, 2, 5

4) 1, 8, 6, 2, 4, 6, 9

5) 2, 3, 1, 2, 1, 1, 5

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

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



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

|  |  |
|--|--|
| <p><b>Ex)</b> 8, 4, 9, 9, 2<br/>2, 4, 8, 9, 9<br/>Q1 = 3<br/>Q3 = 9</p>                          | <p>mean = 6.4    Number 2   4   8   9   9<br/>median = 8    distance 4.4   2.4   1.6   2.6   2.6<br/>I.Q.R. = 6<br/>M.A.D. = 2.7</p>                                 |
| <p><b>1)</b> 7, 1, 3, 2, 1<br/>1, 1, 2, 3, 7<br/>Q1 = 1<br/>Q3 = 5</p>                           | <p>mean = 2.8    Number 1   1   2   3   7<br/>median = 2    distance 1.8   1.8   0.8   0.2   4.2<br/>I.Q.R. = 4<br/>M.A.D. = 1.8</p>                                 |
| <p><b>2)</b> 5, 8, 3, 8, 2, 3<br/>2, 3, 3, 5, 8, 8<br/>Q1 = 3<br/>Q3 = 8</p>                     | <p>mean = 4.8    Number 2   3   3   5   8   8<br/>median = 4    distance 2.8   1.8   1.8   0.2   3.2   3.2<br/>I.Q.R. = 5<br/>M.A.D. = 2.2</p>                       |
| <p><b>3)</b> 2, 6, 1, 1, 2, 5<br/>1, 1, 2, 2, 5, 6<br/>Q1 = 1<br/>Q3 = 5</p>                     | <p>mean = 2.8    Number 1   1   2   2   5   6<br/>median = 2    distance 1.8   1.8   0.8   0.8   2.2   3.2<br/>I.Q.R. = 4<br/>M.A.D. = 1.8</p>                       |
| <p><b>4)</b> 1, 8, 6, 2, 4, 6, 9<br/>1, 2, 4, 6, 6, 8, 9<br/>Q1 = 2<br/>Q3 = 8</p>               | <p>mean = 5.1    Number 1   2   4   6   6   8   9<br/>median = 6    distance 4.1   3.1   1.1   0.9   0.9   2.9   3.9<br/>I.Q.R. = 6<br/>M.A.D. = 2.4</p>             |
| <p><b>5)</b> 2, 3, 1, 2, 1, 1, 5<br/>1, 1, 1, 2, 2, 3, 5<br/>Q1 = 1<br/>Q3 = 3</p>               | <p>mean = 2.1    Number 1   1   1   2   2   3   5<br/>median = 2    distance 1.1   1.1   1.1   0.1   0.1   0.9   2.9<br/>I.Q.R. = 2<br/>M.A.D. = 1</p>               |
| <p><b>6)</b> 7, 9, 5, 8, 3, 7, 4,<br/>3<br/>3, 3, 4, 5, 7, 7, 8, 9<br/>Q1 = 3.5<br/>Q3 = 7.5</p> | <p>mean = 5.8    Number 3   3   4   5   7   7   8   9<br/>median = 6    distance 2.8   2.8   1.8   0.8   1.2   1.2   2.2   3.2<br/>I.Q.R. = 4<br/>M.A.D. = 2</p>     |
| <p><b>7)</b> 9, 8, 4, 8, 1, 2, 3,<br/>2<br/>1, 2, 2, 3, 4, 8, 8, 9<br/>Q1 = 2<br/>Q3 = 8</p>     | <p>mean = 4.6    Number 1   2   2   3   4   8   8   9<br/>median = 3.5    distance 3.6   2.6   2.6   1.6   0.6   3.4   3.4   4.4<br/>I.Q.R. = 6<br/>M.A.D. = 2.8</p> |

Answers

|     |            |            |          |            |
|-----|------------|------------|----------|------------|
| Ex. | <u>6.4</u> | <u>8</u>   | <u>6</u> | <u>2.7</u> |
| 1.  | <u>2.8</u> | <u>2</u>   | <u>4</u> | <u>1.8</u> |
| 2.  | <u>4.8</u> | <u>4</u>   | <u>5</u> | <u>2.2</u> |
| 3.  | <u>2.8</u> | <u>2</u>   | <u>4</u> | <u>1.8</u> |
| 4.  | <u>5.1</u> | <u>6</u>   | <u>6</u> | <u>2.4</u> |
| 5.  | <u>2.1</u> | <u>2</u>   | <u>2</u> | <u>1</u>   |
| 6.  | <u>5.8</u> | <u>6</u>   | <u>4</u> | <u>2</u>   |
| 7.  | <u>4.6</u> | <u>3.5</u> | <u>6</u> | <u>2.8</u> |