



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
1, 5, 5, 6, 9
Q1 = 3
Q3 = 7.5

mean = 5.2 Number 1 5 5 6 9
median = 5 distance 4.2 0.2 0.2 0.8 3.8
I.Q.R. = 4.5
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



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

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

Answers

| | | | | |
|-----|------------|----------|------------|------------|
| 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> |