



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

Answers

Ex) 1, 4, 1, 5, 8
1, 1, 4, 5, 8
Q1 = 1
Q3 = 6.5

mean = 3.8 Number 1 1 4 5 8
median = 4 distance 2.8 2.8 0.2 1.2 4.2
I.Q.R. = 5.5
M.A.D. = 2.2

Ex. 3.8 4 5.5 2.2

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 5, 9, 6, 6, 5

2) 2, 6, 5, 2, 7, 7

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

4) 2, 7, 9, 9, 3, 4, 7

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

6) 8, 4, 7, 8, 9, 5, 4,
2

7) 8, 5, 3, 6, 8, 8, 6,
3



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Answers

| | | |
|-------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|
| Ex) 1, 4, 1, 5, 8 1, 1, 4, 5, 8 Q1 = 1 Q3 = 6.5 | mean = 3.8 median = 4 I.Q.R. = 5.5 M.A.D. = 2.2 | Number 1 1 4 5 8 distance 2.8 2.8 0.2 1.2 4.2 |
| 1) 5, 9, 6, 6, 5 5, 5, 6, 6, 9 Q1 = 5 Q3 = 7.5 | mean = 6.2 median = 6 I.Q.R. = 2.5 M.A.D. = 1.1 | Number 5 5 6 6 9 distance 1.2 1.2 0.2 0.2 2.8 |
| 2) 2, 6, 5, 2, 7, 7 2, 2, 5, 6, 7, 7 Q1 = 2 Q3 = 7 | mean = 4.8 median = 5.5 I.Q.R. = 5 M.A.D. = 1.9 | Number 2 2 5 6 7 7 distance 2.8 2.8 0.2 1.2 2.2 2.2 |
| 3) 9, 2, 5, 2, 6, 9 2, 2, 5, 6, 9, 9 Q1 = 2 Q3 = 9 | mean = 5.5 median = 5.5 I.Q.R. = 7 M.A.D. = 2.5 | Number 2 2 5 6 9 9 distance 3.5 3.5 0.5 0.5 3.5 3.5 |
| 4) 2, 7, 9, 9, 3, 4, 7 2, 3, 4, 7, 7, 9, 9 Q1 = 3 Q3 = 9 | mean = 5.9 median = 7 I.Q.R. = 6 M.A.D. = 2.4 | Number 2 3 4 7 7 9 9 distance 3.9 2.9 1.9 1.1 1.1 3.1 3.1 |
| 5) 6, 2, 5, 2, 2, 4, 5 2, 2, 2, 4, 5, 5, 6 Q1 = 2 Q3 = 5 | mean = 3.7 median = 4 I.Q.R. = 3 M.A.D. = 1.5 | Number 2 2 2 4 5 5 6 distance 1.7 1.7 1.7 0.3 1.3 1.3 2.3 |
| 6) 8, 4, 7, 8, 9, 5, 4, 2 2, 4, 4, 5, 7, 8, 8, 9 Q1 = 4 Q3 = 8 | mean = 5.9 median = 6 I.Q.R. = 4 M.A.D. = 2.1 | Number 2 4 4 5 7 8 8 9 distance 3.9 1.9 1.9 0.9 1.1 2.1 2.1 3.1 |
| 7) 8, 5, 3, 6, 8, 8, 6, 3 3, 3, 5, 6, 6, 8, 8, 8 Q1 = 4 Q3 = 8 | mean = 5.9 median = 6 I.Q.R. = 4 M.A.D. = 1.7 | Number 3 3 5 6 6 8 8 8 distance 2.9 2.9 0.9 0.1 0.1 2.1 2.1 2.1 |

| | | | | |
|-----|------------|------------|------------|------------|
| Ex. | <u>3.8</u> | <u>4</u> | <u>5.5</u> | <u>2.2</u> |
| 1. | <u>6.2</u> | <u>6</u> | <u>2.5</u> | <u>1.1</u> |
| 2. | <u>4.8</u> | <u>5.5</u> | <u>5</u> | <u>1.9</u> |
| 3. | <u>5.5</u> | <u>5.5</u> | <u>7</u> | <u>2.5</u> |
| 4. | <u>5.9</u> | <u>7</u> | <u>6</u> | <u>2.4</u> |
| 5. | <u>3.7</u> | <u>4</u> | <u>3</u> | <u>1.5</u> |
| 6. | <u>5.9</u> | <u>6</u> | <u>4</u> | <u>2.1</u> |
| 7. | <u>5.9</u> | <u>6</u> | <u>4</u> | <u>1.7</u> |