

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, 5, 4, 4, 9
4, 4, 5, 8, 9
Q1 = 4
Q3 = 8.5

mean = 6 Number 4 4 5 8 9
median = 5 distance 2 2 1 2 3
I.Q.R. = 4.5
M.A.D. = 2

Ex. 6 5 4.5 2

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 6, 5, 4, 3, 2

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

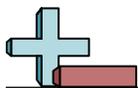
3) 7, 1, 4, 7, 2, 4

4) 3, 1, 6, 8, 7, 6, 5

5) 3, 7, 2, 5, 7, 9, 5

6) 2, 1, 8, 4, 2, 3, 1,
9

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



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, 5, 4, 4, 9 4, 4, 5, 8, 9 Q1 = 4 Q3 = 8.5 | mean = 6 median = 5 I.Q.R. = 4.5 M.A.D. = 2 | Number 4 4 5 8 9 distance 2 2 1 2 3 | |
| 1) 6, 5, 4, 3, 2 2, 3, 4, 5, 6 Q1 = 2.5 Q3 = 5.5 | mean = 4 median = 4 I.Q.R. = 3 M.A.D. = 1.2 | Number 2 3 4 5 6 distance 2 1 0 1 2 | |
| 2) 6, 9, 8, 4, 4, 1 1, 4, 4, 6, 8, 9 Q1 = 4 Q3 = 8 | mean = 5.3 median = 5 I.Q.R. = 4 M.A.D. = 2.3 | Number 1 4 4 6 8 9 distance 4.3 1.3 1.3 0.7 2.7 3.7 | |
| 3) 7, 1, 4, 7, 2, 4 1, 2, 4, 4, 7, 7 Q1 = 2 Q3 = 7 | mean = 4.2 median = 4 I.Q.R. = 5 M.A.D. = 1.9 | Number 1 2 4 4 7 7 distance 3.2 2.2 0.2 0.2 2.8 2.8 | |
| 4) 3, 1, 6, 8, 7, 6, 5 1, 3, 5, 6, 6, 7, 8 Q1 = 3 Q3 = 7 | mean = 5.1 median = 6 I.Q.R. = 4 M.A.D. = 1.8 | Number 1 3 5 6 6 7 8 distance 4.1 2.1 0.1 0.9 0.9 1.9 2.9 | |
| 5) 3, 7, 2, 5, 7, 9, 5 2, 3, 5, 5, 7, 7, 9 Q1 = 3 Q3 = 7 | mean = 5.4 median = 5 I.Q.R. = 4 M.A.D. = 1.9 | Number 2 3 5 5 7 7 9 distance 3.4 2.4 0.4 0.4 1.6 1.6 3.6 | |
| 6) 2, 1, 8, 4, 2, 3, 1, 9 1, 1, 2, 2, 3, 4, 8, 9 Q1 = 1.5 Q3 = 6 | mean = 3.8 median = 2.5 I.Q.R. = 4.5 M.A.D. = 2.5 | Number 1 1 2 2 3 4 8 9 distance 2.8 2.8 1.8 1.8 0.8 0.2 4.2 5.2 | |
| 7) 9, 6, 6, 7, 7, 1, 4, 1 1, 1, 4, 6, 6, 7, 7, 9 Q1 = 2.5 Q3 = 7 | mean = 5.1 median = 6 I.Q.R. = 4.5 M.A.D. = 2.4 | Number 1 1 4 6 6 7 7 9 distance 4.1 4.1 1.1 0.9 0.9 1.9 1.9 3.9 | |

| | | | | |
|-----|------------|------------|------------|------------|
| Ex. | <u>6</u> | <u>5</u> | <u>4.5</u> | <u>2</u> |
| 1. | <u>4</u> | <u>4</u> | <u>3</u> | <u>1.2</u> |
| 2. | <u>5.3</u> | <u>5</u> | <u>4</u> | <u>2.3</u> |
| 3. | <u>4.2</u> | <u>4</u> | <u>5</u> | <u>1.9</u> |
| 4. | <u>5.1</u> | <u>6</u> | <u>4</u> | <u>1.8</u> |
| 5. | <u>5.4</u> | <u>5</u> | <u>4</u> | <u>1.9</u> |
| 6. | <u>3.8</u> | <u>2.5</u> | <u>4.5</u> | <u>2.5</u> |
| 7. | <u>5.1</u> | <u>6</u> | <u>4.5</u> | <u>2.4</u> |