



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

Answers

Ex) 9, 6, 9, 7, 8

mean = 7.8 Number 6 7 8 9 9

6, 7, 8, 9, 9

median = 8 distance 1.8 0.8 0.2 1.2 1.2

Q1 = 6.5

I.Q.R. = 2.5

Q3 = 9

M.A.D. = 1

Ex. 7.8 8 2.5 1

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 8, 2, 6, 7, 8

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

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

4) 4, 1, 5, 3, 9, 5, 7

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

6) 9, 1, 1, 3, 6, 9, 3,
2

7) 9, 8, 4, 8, 5, 8, 4,
1



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Answers

| | |
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| Ex) 9, 6, 9, 7, 8 6, 7, 8, 9, 9 Q1 = 6.5 Q3 = 9 | mean = 7.8 Number 6 7 8 9 9 median = 8 distance 1.8 0.8 0.2 1.2 1.2 I.Q.R. = 2.5 M.A.D. = 1 |
| 1) 8, 2, 6, 7, 8 2, 6, 7, 8, 8 Q1 = 4 Q3 = 8 | mean = 6.2 Number 2 6 7 8 8 median = 7 distance 4.2 0.2 0.8 1.8 1.8 I.Q.R. = 4 M.A.D. = 1.8 |
| 2) 7, 6, 6, 6, 2, 7 2, 6, 6, 6, 7, 7 Q1 = 6 Q3 = 7 | mean = 5.7 Number 2 6 6 6 7 7 median = 6 distance 3.7 0.3 0.3 0.3 1.3 1.3 I.Q.R. = 1 M.A.D. = 1.2 |
| 3) 3, 8, 8, 8, 5, 2 2, 3, 5, 8, 8, 8 Q1 = 3 Q3 = 8 | mean = 5.7 Number 2 3 5 8 8 8 median = 6.5 distance 3.7 2.7 0.7 2.3 2.3 2.3 I.Q.R. = 5 M.A.D. = 2.3 |
| 4) 4, 1, 5, 3, 9, 5, 7 1, 3, 4, 5, 5, 7, 9 Q1 = 3 Q3 = 7 | mean = 4.9 Number 1 3 4 5 5 7 9 median = 5 distance 3.9 1.9 0.9 0.1 0.1 2.1 4.1 I.Q.R. = 4 M.A.D. = 1.9 |
| 5) 8, 6, 5, 3, 5, 7, 7 3, 5, 5, 6, 7, 7, 8 Q1 = 5 Q3 = 7 | mean = 5.9 Number 3 5 5 6 7 7 8 median = 6 distance 2.9 0.9 0.9 0.1 1.1 1.1 2.1 I.Q.R. = 2 M.A.D. = 1.3 |
| 6) 9, 1, 1, 3, 6, 9, 3, 2 1, 1, 2, 3, 3, 6, 9, 9 Q1 = 1.5 Q3 = 7.5 | mean = 4.3 Number 1 1 2 3 3 6 9 9 median = 3 distance 3.3 3.3 2.3 1.3 1.3 1.7 4.7 4.7 I.Q.R. = 6 M.A.D. = 2.8 |
| 7) 9, 8, 4, 8, 5, 8, 4, 1 1, 4, 4, 5, 8, 8, 8, 9 Q1 = 4 Q3 = 8 | mean = 5.9 Number 1 4 4 5 8 8 8 9 median = 6.5 distance 4.9 1.9 1.9 0.9 2.1 2.1 2.1 3.1 I.Q.R. = 4 M.A.D. = 2.4 |

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|-----|------------|------------|------------|------------|
| Ex. | <u>7.8</u> | <u>8</u> | <u>2.5</u> | <u>1</u> |
| 1. | <u>6.2</u> | <u>7</u> | <u>4</u> | <u>1.8</u> |
| 2. | <u>5.7</u> | <u>6</u> | <u>1</u> | <u>1.2</u> |
| 3. | <u>5.7</u> | <u>6.5</u> | <u>5</u> | <u>2.3</u> |
| 4. | <u>4.9</u> | <u>5</u> | <u>4</u> | <u>1.9</u> |
| 5. | <u>5.9</u> | <u>6</u> | <u>2</u> | <u>1.3</u> |
| 6. | <u>4.3</u> | <u>3</u> | <u>6</u> | <u>2.8</u> |
| 7. | <u>5.9</u> | <u>6.5</u> | <u>4</u> | <u>2.4</u> |