



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

Ex) 3, 4, 6, 7, 3

3, 3, 4, 6, 7

Q1 = 3

Q3 = 6.5

mean = 4.6 Number 3 3 4 6 7

median = 4 distance 1.6 1.6 0.6 1.4 2.4

I.Q.R. = 3.5

M.A.D. = 1.5

Answers

Ex. 4.6 4 3.5 1.5

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 4, 5, 1, 9, 5

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

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

4) 2, 9, 2, 5, 8, 9, 4

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

6) 9, 8, 8, 8, 3, 3, 6,
2

7) 8, 4, 6, 8, 6, 4, 4,
8



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Ex) 3, 4, 6, 7, 3
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Q1 = 3
Q3 = 6.5

mean = 4.6 Number 3 3 4 6 7
median = 4 distance 1.6 1.6 0.6 1.4 2.4
I.Q.R. = 3.5
M.A.D. = 1.5

1) 4, 5, 1, 9, 5
1, 4, 5, 5, 9
Q1 = 2.5
Q3 = 7

mean = 4.8 Number 1 4 5 5 9
median = 5 distance 3.8 0.8 0.2 0.2 4.2
I.Q.R. = 4.5
M.A.D. = 1.8

2) 1, 4, 1, 4, 3, 7
1, 1, 3, 4, 4, 7
Q1 = 1
Q3 = 4

mean = 3.3 Number 1 1 3 4 4 7
median = 3.5 distance 2.3 2.3 0.3 0.7 0.7 3.7
I.Q.R. = 3
M.A.D. = 1.7

3) 1, 7, 4, 5, 3, 5
1, 3, 4, 5, 5, 7
Q1 = 3
Q3 = 5

mean = 4.2 Number 1 3 4 5 5 7
median = 4.5 distance 3.2 1.2 0.2 0.8 0.8 2.8
I.Q.R. = 2
M.A.D. = 1.5

4) 2, 9, 2, 5, 8, 9, 4
2, 2, 4, 5, 8, 9, 9
Q1 = 2
Q3 = 9

mean = 5.6 Number 2 2 4 5 8 9 9
median = 5 distance 3.6 3.6 1.6 0.6 2.4 3.4 3.4
I.Q.R. = 7
M.A.D. = 2.7

5) 9, 6, 4, 8, 6, 8, 2
2, 4, 6, 6, 8, 8, 9
Q1 = 4
Q3 = 8

mean = 6.1 Number 2 4 6 6 8 8 9
median = 6 distance 4.1 2.1 0.1 0.1 1.9 1.9 2.9
I.Q.R. = 4
M.A.D. = 1.9

6) 9, 8, 8, 8, 3, 3, 6, 2
2, 3, 3, 6, 8, 8, 8, 9
Q1 = 3
Q3 = 8

mean = 5.9 Number 2 3 3 6 8 8 8 9
median = 7 distance 3.9 2.9 2.9 0.1 2.1 2.1 2.1 3.1
I.Q.R. = 5
M.A.D. = 2.4

7) 8, 4, 6, 8, 6, 4, 4, 8
4, 4, 4, 6, 6, 8, 8, 8
Q1 = 4
Q3 = 8

mean = 6 Number 4 4 4 6 6 8 8 8
median = 6 distance 2 2 2 0 0 2 2 2
I.Q.R. = 4
M.A.D. = 1.5

Answers

Ex. 4.6 4 3.5 1.5

1. 4.8 5 4.5 1.8

2. 3.3 3.5 3 1.7

3. 4.2 4.5 2 1.5

4. 5.6 5 7 2.7

5. 6.1 6 4 1.9

6. 5.9 7 5 2.4

7. 6 6 4 1.5