



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

Ex) 7, 6, 9, 9, 6

6, 6, 7, 9, 9

Q1 = 6

Q3 = 9

mean = 7.4 Number 6 6 7 9 9

median = 7 distance 1.4 1.4 0.4 1.6 1.6

I.Q.R. = 3

M.A.D. = 1.3

Answers

Ex. 7.4 7 3 1.3

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 9, 3, 5, 6, 5

2) 1, 1, 2, 8, 1, 5

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

4) 6, 9, 9, 7, 8, 7, 3

5) 9, 9, 2, 1, 1, 4, 8

6) 2, 5, 4, 3, 2, 1, 6,
5

7) 2, 5, 4, 4, 2, 7, 5,
7



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Ex) 7, 6, 9, 9, 6
6, 6, 7, 9, 9
Q1 = 6
Q3 = 9

mean = 7.4 Number 6 6 7 9 9
median = 7 distance 1.4 1.4 0.4 1.6 1.6
I.Q.R. = 3
M.A.D. = 1.3

1) 9, 3, 5, 6, 5
3, 5, 5, 6, 9
Q1 = 4
Q3 = 7.5

mean = 5.6 Number 3 5 5 6 9
median = 5 distance 2.6 0.6 0.6 0.4 3.4
I.Q.R. = 3.5
M.A.D. = 1.5

2) 1, 1, 2, 8, 1, 5
1, 1, 1, 2, 5, 8
Q1 = 1
Q3 = 5

mean = 3 Number 1 1 1 2 5 8
median = 1.5 distance 2 2 2 1 2 5
I.Q.R. = 4
M.A.D. = 2.3

3) 4, 1, 9, 5, 7, 5
1, 4, 5, 5, 7, 9
Q1 = 4
Q3 = 7

mean = 5.2 Number 1 4 5 5 7 9
median = 5 distance 4.2 1.2 0.2 0.2 1.8 3.8
I.Q.R. = 3
M.A.D. = 1.9

4) 6, 9, 9, 7, 8, 7, 3
3, 6, 7, 7, 8, 9, 9
Q1 = 6
Q3 = 9

mean = 7 Number 3 6 7 7 8 9 9
median = 7 distance 4 1 0 0 1 2 2
I.Q.R. = 3
M.A.D. = 1.4

5) 9, 9, 2, 1, 1, 4, 8
1, 1, 2, 4, 8, 9, 9
Q1 = 1
Q3 = 9

mean = 4.9 Number 1 1 2 4 8 9 9
median = 4 distance 3.9 3.9 2.9 0.9 3.1 4.1 4.1
I.Q.R. = 8
M.A.D. = 3.3

6) 2, 5, 4, 3, 2, 1, 6,
5
1, 2, 2, 3, 4, 5, 5, 6
Q1 = 2
Q3 = 5

mean = 3.5 Number 1 2 2 3 4 5 5 6
median = 3.5 distance 2.5 1.5 1.5 0.5 0.5 1.5 1.5 2.5
I.Q.R. = 3
M.A.D. = 1.5

7) 2, 5, 4, 4, 2, 7, 5,
7
2, 2, 4, 4, 5, 5, 7, 7
Q1 = 3
Q3 = 6

mean = 4.5 Number 2 2 4 4 5 5 7 7
median = 4.5 distance 2.5 2.5 0.5 0.5 0.5 0.5 2.5 2.5
I.Q.R. = 3
M.A.D. = 1.5

Answers

Ex. 7.4 7 3 1.3

1. 5.6 5 3.5 1.5

2. 3 1.5 4 2.3

3. 5.2 5 3 1.9

4. 7 7 3 1.4

5. 4.9 4 8 3.3

6. 3.5 3.5 3 1.5

7. 4.5 4.5 3 1.5