



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

Ex) 9, 9, 8, 5, 7

5, 7, 8, 9, 9

Q1 = 6

Q3 = 9

mean = 7.6 Number 5 7 8 9 9

median = 8 distance 2.6 0.6 0.4 1.4 1.4

I.Q.R. = 3

M.A.D. = 1.3

Answers

Ex. 7.6 8 3 1.3

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1) 1, 1, 2, 6, 9

2) 6, 5, 6, 8, 7, 2

3) 5, 9, 6, 8, 5, 3

4) 5, 5, 7, 7, 6, 3, 9

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

6) 9, 8, 2, 6, 1, 3, 8,
7

7) 1, 4, 2, 6, 4, 6, 5,
6



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Ex) 9, 9, 8, 5, 7

5, 7, 8, 9, 9

Q1 = 6

Q3 = 9

mean = 7.6 Number 5 7 8 9 9
 median = 8 distance 2.6 0.6 0.4 1.4 1.4
 I.Q.R. = 3
 M.A.D. = 1.3

1) 1, 1, 2, 6, 9

1, 1, 2, 6, 9

Q1 = 1

Q3 = 7.5

mean = 3.8 Number 1 1 2 6 9
 median = 2 distance 2.8 2.8 1.8 2.2 5.2
 I.Q.R. = 6.5
 M.A.D. = 3

2) 6, 5, 6, 8, 7, 2

2, 5, 6, 6, 7, 8

Q1 = 5

Q3 = 7

mean = 5.7 Number 2 5 6 6 7 8
 median = 6 distance 3.7 0.7 0.3 0.3 1.3 2.3
 I.Q.R. = 2
 M.A.D. = 1.4

3) 5, 9, 6, 8, 5, 3

3, 5, 5, 6, 8, 9

Q1 = 5

Q3 = 8

mean = 6 Number 3 5 5 6 8 9
 median = 5.5 distance 3 1 1 0 2 3
 I.Q.R. = 3
 M.A.D. = 1.7

4) 5, 5, 7, 7, 6, 3, 9

3, 5, 5, 6, 7, 7, 9

Q1 = 5

Q3 = 7

mean = 6 Number 3 5 5 6 7 7 9
 median = 6 distance 3 1 1 0 1 1 3
 I.Q.R. = 2
 M.A.D. = 1.4

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

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

Q1 = 4

Q3 = 7

mean = 5.6 Number 2 4 5 7 7 7 7
 median = 7 distance 3.6 1.6 0.6 1.4 1.4 1.4 1.4
 I.Q.R. = 3
 M.A.D. = 1.6

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

7

1, 2, 3, 6, 7, 8, 8, 9

Q1 = 2.5

Q3 = 8

mean = 5.5 Number 1 2 3 6 7 8 8 9
 median = 6.5 distance 4.5 3.5 2.5 0.5 1.5 2.5 2.5 3.5
 I.Q.R. = 5.5
 M.A.D. = 2.6

7) 1, 4, 2, 6, 4, 6, 5,

6

1, 2, 4, 4, 5, 6, 6, 6

Q1 = 3

Q3 = 6

mean = 4.3 Number 1 2 4 4 5 6 6 6
 median = 4.5 distance 3.3 2.3 0.3 0.3 0.7 1.7 1.7 1.7
 I.Q.R. = 3
 M.A.D. = 1.5

AnswersEx. 7.6 8 3 1.31. 3.8 2 6.5 32. 5.7 6 2 1.43. 6 5.5 3 1.74. 6 6 2 1.45. 5.6 7 3 1.66. 5.5 6.5 5.5 2.67. 4.3 4.5 3 1.5