



Examining Data Sets

Name: _____

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

Ex) 1 , 5 , 2 , 2 , 9

mean = 3.8 Number 1 2 2 5 9

1, 2, 2, 5, 9

median = 2 distance 2.8 1.8 1.8 1.2 5.2

Q1 = 1.5

I.Q.R. = 5.5

Q3 = 7

M.A.D. = 2.6

1) 5 , 9 , 6 , 7 , 1

2) 5 , 6 , 9 , 7 , 5 , 9

3) 6 , 6 , 2 , 9 , 7 , 3

4) 5 , 9 , 2 , 9 , 3 , 6 , 1

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

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

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

Answers

Ex. 3.8 2 5.5 2.6

1. _____

2. _____

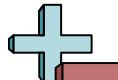
3. _____

4. _____

5. _____

6. _____

7. _____



Examining Data Sets

Name: **Answer Key**

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

Ex)	1 , 5 , 2 , 2 , 9 1 , 2 , 2 , 5 , 9 Q1 = 1.5 Q3 = 7	mean = 3.8 Number 1 2 2 5 9 median = 2 distance 2.8 1.8 1.8 1.2 5.2 I.Q.R. = 5.5 M.A.D. = 2.6	
1)	5 , 9 , 6 , 7 , 1 1 , 5 , 6 , 7 , 9 Q1 = 3 Q3 = 8	mean = 5.6 Number 1 5 6 7 9 median = 6 distance 4.6 0.6 0.4 1.4 3.4 I.Q.R. = 5 M.A.D. = 2.1	
2)	5 , 6 , 9 , 7 , 5 , 9 5 , 5 , 6 , 7 , 9 , 9 Q1 = 5 Q3 = 9	mean = 6.8 Number 5 5 6 7 9 9 median = 6.5 distance 1.8 1.8 0.8 0.2 2.2 2.2 I.Q.R. = 4 M.A.D. = 1.5	
3)	6 , 6 , 2 , 9 , 7 , 3 2 , 3 , 6 , 6 , 7 , 9 Q1 = 3 Q3 = 7	mean = 5.5 Number 2 3 6 6 7 9 median = 6 distance 3.5 2.5 0.5 0.5 1.5 3.5 I.Q.R. = 4 M.A.D. = 2	
4)	5 , 9 , 2 , 9 , 3 , 6 , 1 1 , 2 , 3 , 5 , 6 , 9 , 9 Q1 = 2 Q3 = 9	mean = 5 Number 1 2 3 5 6 9 9 median = 5 distance 4 3 2 0 1 4 4 I.Q.R. = 7 M.A.D. = 2.6	
5)	6 , 7 , 6 , 4 , 9 , 3 , 5 3 , 4 , 5 , 6 , 6 , 7 , 9 Q1 = 4 Q3 = 7	mean = 5.7 Number 3 4 5 6 6 7 9 median = 6 distance 2.7 1.7 0.7 0.3 0.3 1.3 3.3 I.Q.R. = 3 M.A.D. = 1.5	
6)	6 , 8 , 7 , 5 , 3 , 3 , 6 , 7 3 , 3 , 5 , 6 , 6 , 7 , 7 , 8 Q1 = 4 Q3 = 7	mean = 5.6 Number 3 3 5 6 6 7 7 8 median = 6 distance 2.6 2.6 0.6 0.4 0.4 1.4 1.4 2.4 I.Q.R. = 3 M.A.D. = 1.5	
7)	7 , 3 , 3 , 3 , 6 , 8 , 3 , 6 3 , 3 , 3 , 3 , 6 , 6 , 7 , 8 Q1 = 3 Q3 = 6.5	mean = 4.9 Number 3 3 3 3 6 6 7 8 median = 4.5 distance 1.9 1.9 1.9 1.9 1.1 1.1 2.1 3.1 I.Q.R. = 3.5 M.A.D. = 1.9	

Answers

- Ex. 3.8 2 5.5 2.6
1. 5.6 6 5 2.1
2. 6.8 6.5 4 1.5
3. 5.5 6 4 2
4. 5 5 7 2.6
5. 5.7 6 3 1.5
6. 5.6 6 3 1.5
7. 4.9 4.5 3.5 1.9