



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) $6, 6, 9, 2, 5$

mean = 5.6 Number 2 5 6 6 9

$2, 5, 6, 6, 9$

median = 6 distance 3.6 0.6 0.4 0.4 3.4

$Q1 = 3.5$

I.Q.R. = 4

$Q3 = 7.5$

M.A.D. = 1.7

1) $7, 5, 2, 2, 2$

Answers

Ex. 5.6 6 4 1.7

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

2) $5, 7, 8, 3, 2, 8$

3) $4, 1, 5, 9, 9, 8$

4) $9, 7, 6, 7, 4, 1, 7$

5) $7, 1, 2, 3, 8, 5, 7$

6) $8, 9, 4, 3, 4, 8, 1,$
9

7) $2, 7, 6, 9, 9, 6, 2,$
1



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) $6, 6, 9, 2, 5$

$2, 5, 6, 6, 9$

$Q1 = 3.5$

$Q3 = 7.5$

mean = 5.6 Number 2 5 6 6 9

median = 6 distance 3.6 0.6 0.4 0.4 3.4

I.Q.R. = 4

M.A.D. = 1.7

1) $7, 5, 2, 2, 2$

$2, 2, 2, 5, 7$

$Q1 = 2$

$Q3 = 6$

mean = 3.6 Number 2 2 2 5 7

median = 2 distance 1.6 1.6 1.6 1.4 3.4

I.Q.R. = 4

M.A.D. = 1.9

2) $5, 7, 8, 3, 2, 8$

$2, 3, 5, 7, 8, 8$

$Q1 = 3$

$Q3 = 8$

mean = 5.5 Number 2 3 5 7 8 8

median = 6 distance 3.5 2.5 0.5 1.5 2.5 2.5

I.Q.R. = 5

M.A.D. = 2.2

3) $4, 1, 5, 9, 9, 8$

$1, 4, 5, 8, 9, 9$

$Q1 = 4$

$Q3 = 9$

mean = 6 Number 1 4 5 8 9 9

median = 6.5 distance 5 2 1 2 3 3

I.Q.R. = 5

M.A.D. = 2.7

4) $9, 7, 6, 7, 4, 1, 7$

$1, 4, 6, 7, 7, 7, 9$

$Q1 = 4$

$Q3 = 7$

mean = 5.9 Number 1 4 6 7 7 7 9

median = 7 distance 4.9 1.9 0.1 1.1 1.1 1.1 3.1

I.Q.R. = 3

M.A.D. = 1.9

5) $7, 1, 2, 3, 8, 5, 7$

$1, 2, 3, 5, 7, 7, 8$

$Q1 = 2$

$Q3 = 7$

mean = 4.7 Number 1 2 3 5 7 7 8

median = 5 distance 3.7 2.7 1.7 0.3 2.3 2.3 3.3

I.Q.R. = 5

M.A.D. = 2.3

6) $8, 9, 4, 3, 4, 8, 1,$

9

$1, 3, 4, 4, 8, 8, 9, 9$

$Q1 = 3.5$

$Q3 = 8.5$

mean = 5.8 Number 1 3 4 4 8 8 9 9

median = 6 distance 4.8 2.8 1.8 1.8 2.2 2.2 3.2 3.2

I.Q.R. = 5

M.A.D. = 2.8

7) $2, 7, 6, 9, 9, 6, 2,$

1

$1, 2, 2, 6, 6, 7, 9, 9$

$Q1 = 2$

$Q3 = 8$

mean = 5.3 Number 1 2 2 6 6 7 9 9

median = 6 distance 4.3 3.3 3.3 0.7 0.7 1.7 3.7 3.7

I.Q.R. = 6

M.A.D. = 2.7

Answers

Ex. 5.6 6 4 1.7

1. 3.6 2 4 1.9

2. 5.5 6 5 2.2

3. 6 6.5 5 2.7

4. 5.9 7 3 1.9

5. 4.7 5 5 2.3

6. 5.8 6 5 2.8

7. 5.3 6 6 2.7