# MEAN, MEDIAN, AND MODE SHEET

Find the mean, median, and mode in each of the sets of data.

| | | | | |
|---|---|---|---|---|
| 1) | 61, 57, 49, 60, 45, 51, 57, 60, 53, 57, 55, 48, 65, 52 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 2) | 129, 113, 110, 123, 112, 115, 110, 124, 121, 113, 115, 121, 115 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 3) | 14, 7, 4, 8, 12, 4, 2, 9, 7, 11, 15, 12, 11, 11, 8, 11, 7 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 4) | 83, 77, 81, 79, 85, 77, 76, 72, 87, 81, 83, 77, 91, 81, 77 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 5) | 0.7, 0.2, 0.9, 1.2, 1.5, 0.4, 0.6, 0.2, 1.1, 0.3, 0.7, 0.2, 1.1 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 6) | 6.2, 5.6, 4.9, 5.1, 6.2, 5.7, 5.1, 4.7, 5.4, 6.2, 4.5, 6.4 | | | |
| order | | | | |
| | Mean | Median | Mode | |

LIVEWORKSHEETS

# MEAN, MEDIAN, AND MODE SHEET

Find the mean, median, and mode in each of the sets of data.

| | | | | |
|---|---|---|---|---|
| 1) | 4.3, 5.2, 4.5, 5.1, 4.8, 5.4, 4.5, 4.7, 4.3, 5.2, 4.5, 4.8, 5.1 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 2) | 12.6, 12.8, 9.7, 10.4, 9.7, 10.8, 12.4, 12.8, 11.5, 10.4, 10.9, 12.8 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 3) | -12, 7, 5, 1, 0, -2, -7, 0, -10, -3, -8, 7, 2, 4, -4, 3, -1, 0 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 4) | -6, -13, -8, -3, -7, -10, 2, 0, -3, -5, 5, 7, -6, 2, 1, -6, -18 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 5) | 0.24, 0.31, 0.43, 0.22, 0.34, 0.24, 0.35, 0.4, 0.18, 0.3, 0.29 | | | |
| order | | | | |
| | Mean | Median | Mode | |
| 6) | -0.6, 0.4, 0.2, -0.3, 0.1, -0.5, 0.2, 0.4, 1.1, -0.6, 0.7, 0, 0.2, -1.3 | | | |
| order | | | | |
| | Mean | Median | Mode | |

LIVEWORKSHEETS

# Range

Example: Find the range for the given data.

24, 31, 12, 38, 13, 15, 46, 62

**Range = Maximum value – Minimum value**

= 62 – 12

= **50**

Find the range for each set of numbers.

1) 36, 17, 22, 43, 11, 56, 17, 71

Range : _____

2) 84, 75, 9, 28, 57, 64, 42

Range : _____

3) 83, 78, 99, 56, 48, 74, 68, 55, 85

Range : _____

4) 17, 66, 14, 79, 47, 95, 32, 21, 10, 58

Range : _____

5) 88, 74, 41, 59, 39, 82, 44

Range : _____

6) 78, 8, 34, 61, 55, 29

Range : _____

7) Eight baskets of apples weigh (in pounds) 70, 68, 73, 78, 73, 68, 75, and 76. Find the range.

Range : _____

8) The number of people who visited a winter carnival during the first 7 hours of a day are the following.

79, 83, 50, 69, 92, 77, 88

What is the range of the given data?

Range : _____

LIVEWORKSHEETS

# Range

Example: Find the range for the given data.

10, 72, 14, 58, 33, 45, 86, 14, 25, 30

**Range = Maximum value – Minimum value**

= 86 – 10

= **76**

Find the range for each set of numbers.

1) 24, 8, 15, 39, 23, 45

Range : _____

2) 74, 32, 16, 7, 81, 90, 53, 19, 46, 62

Range : _____

3) 96, 51, 38, 47, 73, 55, 82

Range : _____

4) 42, 83, 25, 78, 11, 39, 27, 18

Range : _____

5) 59, 86, 49, 62, 89, 91, 46, 78, 40

Range : _____

6) 38, 41, 72, 38, 43, 98, 54

Range : _____

7) A blood donation camp was conducted at a University which had seven independent blocks. The amount of blood collected (in units) from students in each block are 57, 63, 78, 92, 88, 48 and 72 units. Find the range.

Range : _____

8) The earnings of six friends at the end of a week are \$82, \$73, \$95, \$75, \$85 and \$90. What is the range of their earnings?

Range : _____

LIVEWORKSHEETS

# Quartiles

Example: Find the quartiles for the given data: 5, 32, 9, 11, 10, 15, 21, 8.

**Solution:** Arrange the data in an increasing order.

5, 8, 9, 10, 11, 15, 21, 32

Median quartile : $\frac{10+11}{2} = \mathbf{10.5}$

Lower quartile : $\frac{8+9}{2} = \mathbf{8.5}$ Upper quartile : $\frac{15+21}{2} = \mathbf{18}$

Find the quartiles for each set of numbers.

1) 32, 13, 46, 28, 51, 62, 19, 38, 73, 47

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

2) 98, 36, 82, 61, 73, 48, 58, 39

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

3) 64, 7, 34, 53, 28, 41, 13, 72, 10

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

4) 13, 63, 29, 19, 71, 56

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

5) The average hibernation periods (in weeks) of Alpine Marmots, Common Poorwills, American Black Bears, Bats, Dwarf Lemurs, Box Turtles and Bumblebees were recorded by a Zoologist.

28, 15, 15, 46, 27, 21, 24

Find the first, second and third quartiles.

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

LIVEWORKSHEETS

# Quartiles

Example: Find the quartiles for the given data: 71, 40, 62, 35, 50, 40, 79, 64, 30.

**Solution:** Arrange the data in an increasing order.

30, 35, 40, 40, 50, 62, 64, 71, 79

Median quartile : **50**

Lower quartile : $\frac{35+40}{2}$ = **37.5** Upper quartile : $\frac{64+71}{2}$ = **67.5**

Find the quartiles for each set of numbers.

1) 80, 54, 32, 66, 78, 15, 82, 45

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

2) 2, 94, 42, 68, 51, 71

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

3) 92, 52, 34, 41, 24, 65, 83, 96, 70, 52

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

4) 36, 15, 53, 18, 43, 27, 35

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

5) Alex is a Customer Service Executive. The number of calls received from 9 AM to 6 PM (every one hour) are the following.

19, 12, 20, 19, 22, 11, 9, 25, 26

Find the first, second and third quartiles.

Lower quartile : _____ Median quartile : _____ Upper quartile : _____

LIVEWORKSHEETS