

Worksheet

04/24/2021

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Problem quickname: 3103

1)

Determine the requested value for the given set of numbers.

Quick:
3103

- a) The median of: 25, 45, 14, 6, 12, 12, 47, 45, 5 Median: 14
 b) The median of: 6, 22, 4, 8, 10, 25, 44, 16, 49 Median: 16
 c) The mean value of : 41, 35, 14, 8, 48, 14, 4, 36 Mean value: 25
 d) The mean value of : 3, 4, 25, 5, 37, 31, 28 Mean value: 19
 e) The median of: 7, 3, 12, 34, 39, 48, 28, 36, 19 Median: 28
 f) The mean value of : 13, 15, 31, 38, 36, 13, 19, 19 Mean value: 23
 g) The mean value of : 11, 13, 10, 15, 13, 38, 10, 10 Mean value: 15
 h) The mean value of : 9, 33, 15, 42, 15, 32, 15 Mean value: 23
 i) The mean value of : 12, 27, 41, 49, 38, 17, 43, 5 Mean value: 29
 j) The median of: 3, 16, 31, 36, 6, 37, 15, 46, 45 Median: 31

2)

Determine the requested value for the given set of numbers.

Quick:
3103

- a) The median of: $-13, -11, -11, -2, -2, 2, 6, 6, 13, 18$
- Sort the numbers in ascending order: $-13, -11, -11, -2, -2, 2, 6, 6, 13, 18$
 - As the number of numbers is even, the median is determined by adding the two middle numbers and dividing the result by two. The middle numbers are -2 and 2 . $(-2 + 2) \div 2 = 0$.
- Median: 0
- b) The median of: $-19, -18, -9, -9, -8, -3, 3, 8, 16$
- Sort the numbers in ascending order: $-19, -18, -9, -9, -8, -3, 3, 8, 16$
 - As the number of numbers is odd, the middle number is the median. The middle number is -8 .
- Median: -8
- c) The median of: $-14, -7, -6, 1, 7, 7, 14, 15, 19, 20$
- Sort the numbers in ascending order: $-14, -7, -6, 1, 7, 7, 14, 15, 19, 20$
 - As the number of numbers is even, the median is determined by adding the two middle numbers and dividing the result by two. The middle numbers are 7 and 7 . $(7 + 7) \div 2 = 7$.
- Median: 7

- d) The median of: $-12, -3, -2, 3, 5, 7, 7, 7, 8, 16$
- Sort the numbers in ascending order: $-12, -3, -2, 3, 5, 7, 7, 7, 8, 16$
 - As the number of numbers is even, the median is determined by adding the two middle numbers and dividing the result by two. The middle numbers are 5 and 7. $(5 + 7) \div 2 = 6$.
- Median: 6
- e) The median of: $-19, -19, -15, -15, -14, -13, -11, 8, 8$
- Sort the numbers in ascending order: $-19, -19, -15, -15, -14, -13, -11, 8, 8$
 - As the number of numbers is odd, the middle number is the median. The middle number is -14 .
- Median: -14
- f) The median of: $-18, -14, -4, -3, 0, 2, 5, 12, 14, 18$
- Sort the numbers in ascending order: $-18, -14, -4, -3, 0, 2, 5, 12, 14, 18$
 - As the number of numbers is even, the median is determined by adding the two middle numbers and dividing the result by two. The middle numbers are 0 and 2. $(0 + 2) \div 2 = 1$.
- Median: 1
- g) The mean value of : $-19, -19, -18, -15, -14, 6, 8, 10, 11, 20$
- Calculate the sum of the numbers: Sum = -30 .
 - Divide the sum by the number of numbers: $-30 \div 10 = -3$.
- Mean value: -3
- h) The mean value of : $-19, -13, -6, -6, -5, -5, -2, 3, 10, 19$
- Calculate the sum of the numbers: Sum = -24 .
 - Divide the sum by the number of numbers: $-24 \div 10 = -2.4$.
- Mean value: -2.4
- i) The median of: $-17, -14, -11, -4, 14, 14, 15, 15, 16, 17, 19$
- Sort the numbers in ascending order: $-17, -14, -11, -4, 14, 14, 15, 15, 16, 17, 19$
 - As the number of numbers is odd, the middle number is the median. The middle number is 14.
- Median: 14
- j) The mean value of : $-19, -15, -5, -4, -1, 2, 2, 4, 4, 14$
- Calculate the sum of the numbers: Sum = -18 .
 - Divide the sum by the number of numbers: $-18 \div 10 = -1.8$.
- Mean value: -1.8

3)

Determine the requested value for the given set of numbers.

- a) The mean value of : $-13, -5, 13, -15, 8, -16, -12, 11, 13$
1. Calculate the sum of the numbers: $\text{Sum} = -16$.
 2. Divide the sum by the number of numbers: $-16 \div 9 = -1$.
- Mean value: -1.778
- b) The median of: $-9, -2, -13, -2, 15, 15, 7$
1. Sort the numbers in ascending order: $-13, -9, -2, -2, 7, 15, 15$
 2. As the number of numbers is odd, the middle number is the median. The middle number is -2 .
- Median: -2
- c) The mean value of : $4, -4, -15, 1, -4, 7, -3$
1. Calculate the sum of the numbers: $\text{Sum} = -14$.
 2. Divide the sum by the number of numbers: $-14 \div 7 = -2$.
- Mean value: -2
- d) The mean value of : $19, -19, -19, -1, -17, -19, 14, -10, 4$
1. Calculate the sum of the numbers: $\text{Sum} = -48$.
 2. Divide the sum by the number of numbers: $-48 \div 9 = -5$.
- Mean value: -5.333
- e) The median of: $-5, -18, -15, 16, -16, -5, 13$
1. Sort the numbers in ascending order: $-18, -16, -15, -5, -5, 13, 16$
 2. As the number of numbers is odd, the middle number is the median. The middle number is -5 .
- Median: -5
- f) The median of: $5, 15, -10, 1, 6, -6, -3$
1. Sort the numbers in ascending order: $-10, -6, -3, 1, 5, 6, 15$
 2. As the number of numbers is odd, the middle number is the median. The middle number is 1 .
- Median: 1

- g) The median of: 2, -18, -4, 19, 3, -16, -7
- Sort the numbers in ascending order: -18, -16, -7, -4, 2, 3, 19
 - As the number of numbers is odd, the middle number is the median. The middle number is -4.
- Median: -4
- h) The mean value of : -15, -4, -15, 4, -6, 10, -16, 6, 4
- Calculate the sum of the numbers: Sum = -32.
 - Divide the sum by the number of numbers: $-32 \div 9 = -3.556$
- Mean value: -3.556
- i) The median of: -15, -9, 11, -2, 5, 12, -9
- Sort the numbers in ascending order: -15, -9, -9, -2, 5, 11, 12
 - As the number of numbers is odd, the middle number is the median. The middle number is -2.
- Median: -2
- j) The median of: 8, 12, 6, -1, -13, 1, -7, -7, -14
- Sort the numbers in ascending order: -14, -13, -7, -7, -1, 1, 6, 8, 12
 - As the number of numbers is odd, the middle number is the median. The middle number is -1.
- Median: -1

4)

Determine the requested value for the given set of numbers.

Quick:
3103

- a) The median of: 19, 28, 30, 67, 70, 91, 98
- Sort the numbers in ascending order: 19, 28, 30, 67, 70, 91, 98
 - As the number of numbers is odd, the middle number is the median. The middle number is 67.
- Median: 67
- b) The median of: 8, 30, 31, 47, 50, 56, 70
- Sort the numbers in ascending order: 8, 30, 31, 47, 50, 56, 70
 - As the number of numbers is odd, the middle number is the median. The middle number is 47.
- Median: 47

c) The mean value of : 8, 18, 21, 22, 30, 45, 52

1. Calculate the sum of the numbers: $\text{Sum} = 196$.

2. Divide the sum by the number of numbers: $196 \div 7 = 28$.

Mean value: 28

d) The median of: 10, 33, 58, 63, 69, 78, 81, 88, 89

1. Sort the numbers in ascending order: 10, 33, 58, 63, 69, 78, 81, 88, 89

2. As the number of numbers is odd, the middle number is the median. The middle number is 69.

Median: 69

e) The median of: 37, 51, 54, 66, 71, 80, 88

1. Sort the numbers in ascending order: 37, 51, 54, 66, 71, 80, 88

2. As the number of numbers is odd, the middle number is the median. The middle number is 66.

Median: 66

Good Luck!