

Worksheet

05/10/2021

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Problem quickname: 3103

1)

Determine the requested value for the given set of numbers.

Quick:
3103a) The mean value of : $-19, -7, -12, 20, -10, -12, -16$ 1. Calculate the sum of the numbers: $\text{Sum} = -56$.2. Divide the sum by the number of numbers: $-56 \div 7 = -8$.Mean value: -8 b) The median of: $-3, 5, -2, -14, 3, 11, -6, -2, -1$ 1. Sort the numbers in ascending order: $-14, -6, -3, -2, -2, -1, 3, 5, 11$ 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 : $14, 14, -12, 6, 12, 19, -18$ 1. Calculate the sum of the numbers: $\text{Sum} = 35$.2. Divide the sum by the number of numbers: $35 \div 7 = 5$.Mean value: 5 d) The mean value of : $-11, -13, 6, 18, -11, 7, -3$ 1. Calculate the sum of the numbers: $\text{Sum} = -7$.2. Divide the sum by the number of numbers: $-7 \div 7 = -1$.Mean value: -1 e) The median of: $-14, -10, 14, 0, 4, 14, 6$ 1. Sort the numbers in ascending order: $-14, -10, 0, 4, 6, 14, 14$ 2. As the number of numbers is odd, the middle number is the median. The middle number is 4 .Median: 4

- f) The median of: $-2, 9, 4, -6, -12, -2, 16$
- Sort the numbers in ascending order: $-12, -6, -2, -2, 4, 9, 16$
 - As the number of numbers is odd, the middle number is the median. The middle number is -2 .
- Median: -2
- g) The median of: $-9, -14, 2, 14, 2, -15, 11, 13, -13$
- Sort the numbers in ascending order: $-15, -14, -13, -9, 2, 2, 11, 13, 14$
 - As the number of numbers is odd, the middle number is the median. The middle number is 2 .
- Median: 2
- h) The mean value of : $19, -2, 6, -3, -16, 9, 8, 6, 9$
- Calculate the sum of the numbers: $\text{Sum} = 36$.
 - Divide the sum by the number of numbers: $36 \div 9 = 4$.
- Mean value: 4
- i) The mean value of : $3, -1, 5, 8, -4, 7, -4, 8, -4$
- Calculate the sum of the numbers: $\text{Sum} = 18$.
 - Divide the sum by the number of numbers: $18 \div 9 = 2$.
- Mean value: 2
- j) The mean value of : $-2, 1, 5, -17, 10, -14, -2, -10, -7$
- Calculate the sum of the numbers: $\text{Sum} = -36$.
 - Divide the sum by the number of numbers: $-36 \div 9 = -4$.
- Mean value: -4

2)

Determine the requested value for the given set of numbers.

Quick:
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- a) The median of: $6, 28, 32, 62, 63, 67, 85$
- Sort the numbers in ascending order: $6, 28, 32, 62, 63, 67, 85$
 - As the number of numbers is odd, the middle number is the median. The middle number is 62 .
- Median: 62

- b) The median of: 11,30,43,58,75,86,96
- Sort the numbers in ascending order: 11,30,43,58,75,86,96
 - As the number of numbers is odd, the middle number is the median. The middle number is 58.
- Median: 58
- c) The median of: 9,14,33,52,55,70,71,76,88
- Sort the numbers in ascending order: 9,14,33,52,55,70,71,76,88
 - As the number of numbers is odd, the middle number is the median. The middle number is 55.
- Median: 55
- d) The mean value of : 5,16,34,46,50,68,82
- Calculate the sum of the numbers: $\text{Sum} = 301$.
 - Divide the sum by the number of numbers: $301 \div 7 = 43$.
- Mean value: 43
- e) The mean value of : 6,10,15,19,25,68,77,78,89
- Calculate the sum of the numbers: $\text{Sum} = 387$.
 - Divide the sum by the number of numbers: $387 \div 9 = 43$.
- Mean value: 43

3)

Determine the median of the given set of numbers.

Quick:
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- a) 8,57, - 48, - 82,23,72,56,57, - 71
- Sort the numbers in ascending order: $-82, -71, -48, 8, 23, 56, 57, 72$
 - As the number of numbers is odd, the middle number is the median. The middle number is 23.
- Median: 23
- b) 42,65,22, - 53, - 45,37, - 96,53,65
- Sort the numbers in ascending order: $-96, -53, -45, 22, 37, 42, 53, 65, 65$
 - As the number of numbers is odd, the middle number is the median. The middle number is 37.
- Median: 37

c) $90, -52, -75, 46, 62, -18, 18, -75, 40$

1. Sort the numbers in ascending order: $-75, -75, -52, -18, 18, 40, 46, 62, 90$

2. As the number of numbers is odd, the middle number is the median. The middle number is 18.

Median: 18

d) $-94, 49, 1, -46, -46, -63, -56, 14, -20$

1. Sort the numbers in ascending order:

$$-94, -63, -56, -46, -46, -20, 1, 14, 49$$

2. As the number of numbers is odd, the middle number is the median. The middle number is -46 .Median: -46

e) $17, 32, -17, 6, 97, 32, 65, -76, -48$

1. Sort the numbers in ascending order: $-76, -48, -17, 6, 17, 32, 32, 65, 97$

2. As the number of numbers is odd, the middle number is the median. The middle number is 17.

Median: 17

4)

Determine the mean of the given set of numbers.

Quick:
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a) $-51, 97, 96, -1, -14, -22, -44, -80, -80$

1. Calculate the sum of the numbers: $\text{Sum} = -99$.2. Divide the sum by the number of numbers: $-99 \div 9 = -11$.Mean value: -11

b) $14, 67, -13, -99, -82, 93, -76, -82, -56$

1. Calculate the sum of the numbers: $\text{Sum} = -234$.2. Divide the sum by the number of numbers: $-234 \div 9 = -26$.Mean value: -26

c) $-29, -16, 53, -16, -88, 67, -99, -75, 86$

1. Calculate the sum of the numbers: $\text{Sum} = -117$.2. Divide the sum by the number of numbers: $-117 \div 9 = -13$.Mean value: -13

d) 48, - 53, 2, 45, - 10, - 47, - 53, - 14, 64

1. Calculate the sum of the numbers: $\text{Sum} = -18$.

2. Divide the sum by the number of numbers: $-18 \div 9 = -2$.

Mean value: -2

e) 66, - 67, - 23, 59, 99, - 62, 93, - 23, - 43

1. Calculate the sum of the numbers: $\text{Sum} = 99$.

2. Divide the sum by the number of numbers: $99 \div 9 = 11$.

Mean value: 11

Good Luck!