

Worksheet

04/24/2021

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Problem quickname: 3103

1)Quick:
3103

Determine the median of the given set of numbers.

a) $-42, 54, -14, -37, -36, 44, 85, 54, -9, 74, -48$

1. Sort the numbers in ascending order: $-48, -42, -37, -36, -14, -9, 44, 54, 54, 74, 85$ 2. As the number of numbers is odd, the middle number is the median. The middle number is -9 .Median: -9

b) $-26, -16, -44, 19, -75, -70, -96, 93, -38$

1. Sort the numbers in ascending order: $-96, -75, -70, -44, -38, -26, -16, 19, 93$ 2. As the number of numbers is odd, the middle number is the median. The middle number is -38 .Median: -38

c) $72, -92, 72, -17, -94, 88, -18, -64, 18, -12, -22$

1. Sort the numbers in ascending order: $-94, -92, -64, -22, -18, -17, -12, 18, 72, 72, 88$ 2. As the number of numbers is odd, the middle number is the median. The middle number is -17 .Median: -17

d) $52, 63, -30, -20, 6, 3, -20, 55, 51$

1. Sort the numbers in ascending order: $-30, -20, -20, 3, 6, 51, 52, 55, 63$ 2. As the number of numbers is odd, the middle number is the median. The middle number is 6 .Median: 6

e) $-93, 88, -9, 20, -28, -3, -18, -18, -88, -3, 61$

1. Sort the numbers in ascending order: $-93, -88, -28, -18, -18, -9, -3, -3, 20, 61, 88$ 2. As the number of numbers is odd, the middle number is the median. The middle number is -9 .Median: -9

2)Quick:
3103

Determine the mean of the given set of numbers.

a) $57, -73, -77, -48, 82, -97, -35, 32, 98$

1. Calculate the sum of the numbers: $\text{Sum} = -61.$

2. Divide the sum by the number of numbers: $-61 \div 9 = -6.$

Mean value: -6.778

b) $-12, 42, -37, -22, 23, 77, 9, 34, -62, -94, 1$

1. Calculate the sum of the numbers: $\text{Sum} = -41.$

2. Divide the sum by the number of numbers: $-41 \div 11 = -3.$

Mean value: -3.727

c) $-56, 47, -11, -9, -53, -98, -98, 37, 58$

1. Calculate the sum of the numbers: $\text{Sum} = -183.$

2. Divide the sum by the number of numbers: $-183 \div 9 = -20.$

Mean value: -20.333

d) $-68, 9, -91, 0, -72, 80, 0, 20, 73$

1. Calculate the sum of the numbers: $\text{Sum} = -49.$

2. Divide the sum by the number of numbers: $-49 \div 9 = -5.$

Mean value: -5.444

e) $-98, -77, 37, 12, -93, -48, -87, 83, -50$

1. Calculate the sum of the numbers: $\text{Sum} = -321.$

2. Divide the sum by the number of numbers: $-321 \div 9 = -35.$

Mean value: -35.667

3)Quick:
3103

Determine the requested value for the given set of numbers.

a) The mean value of : $44, 6, 9, 6, 33, 9, 41, 36$ Mean value: 23

b) The median of: $49, 7, 9, 45, 7, 32, 5$ Median: 9

c) The median of: $38, 35, 15, 40, 13, 45, 46$ Median: 38

d) The median of: $5, 39, 39, 32, 38, 41, 44$ Median: 39

e) The median of: $4, 49, 17, 13, 36, 17, 37$ Median: 17

f) The median of: $30, 6, 45, 13, 3, 41, 16, 29, 28$ Median: 28

g) The median of: $33, 44, 8, 30, 22, 13, 39$ Median: 30

h) The median of: $14, 35, 39, 14, 11, 39, 13, 14$ Median: 14

i) The median of: $40, 11, 45, 32, 25, 10, 23$ Median: 25

j) The mean value of : $5, 33, 20, 4, 5, 19, 26$ Mean value: 16

4)

Determine the requested value for the given set of numbers.

- a) The mean value of : $-19, -13, -12, -6, -5, -1, 2, 2, 3, 12$
1. Calculate the sum of the numbers: $\text{Sum} = -37$.
 2. Divide the sum by the number of numbers: $-37 \div 10 = -3.7$.
- Mean value: -3.7
- b) The median of: $-18, -17, -15, -9, -7, -5, -1, 0, 2, 4, 15$
1. Sort the numbers in ascending order: $-18, -17, -15, -9, -7, -5, -1, 0, 2, 4, 15$
 2. As the number of numbers is odd, the middle number is the median. The middle number is -5 .
- Median: -5
- c) The median of: $-18, -17, -9, -8, -7, -3, 7, 10, 10, 13, 19$
1. Sort the numbers in ascending order: $-18, -17, -9, -8, -7, -3, 7, 10, 10, 13, 19$
 2. As the number of numbers is odd, the middle number is the median. The middle number is -3 .
- Median: -3
- d) The median of: $-19, -10, -9, -4, -1, 10, 11, 13, 15$
1. Sort the numbers in ascending order: $-19, -10, -9, -4, -1, 10, 11, 13, 15$
 2. As the number of numbers is odd, the middle number is the median. The middle number is -1 .
- Median: -1
- e) The median of: $-17, -15, 7, 10, 13, 16, 17, 18, 18$
1. Sort the numbers in ascending order: $-17, -15, 7, 10, 13, 16, 17, 18, 18$
 2. As the number of numbers is odd, the middle number is the median. The middle number is 13 .
- Median: 13
- f) The mean value of : $-20, -19, -18, -8, -7, -6, -4, 1, 4, 10, 14$
1. Calculate the sum of the numbers: $\text{Sum} = -53$.
 2. Divide the sum by the number of numbers: $-53 \div 11 = -4.818$.
- Mean value: -4.818

g) The median of: $-11, -5, -2, 0, 0, 0, 1, 4, 15$

1. Sort the numbers in ascending order: $-11, -5, -2, 0, 0, 0, 1, 4, 15$

2. As the number of numbers is odd, the middle number is the median. The middle number is 0.

Median: 0

h) The median of: $-15, -15, -13, -8, -4, 2, 6, 8, 13, 14, 19$

1. Sort the numbers in ascending order: $-15, -15, -13, -8, -4, 2, 6, 8, 13, 14, 19$

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

Median: 2

i) The mean value of : $-16, -16, -11, -8, -5, -5, 0, 2, 12, 20$

1. Calculate the sum of the numbers: $\text{Sum} = -27$.

2. Divide the sum by the number of numbers: $-27 \div 10 = -2.7$.

Mean value: -2.7

j) The median of: $-19, -16, -14, -14, -10, -4, 6, 6, 7, 8, 9$

1. Sort the numbers in ascending order: $-19, -16, -14, -14, -10, -4, 6, 6, 7, 8, 9$

2. As the number of numbers is odd, the middle number is the median. The middle number is -4 .

Median: -4

Good Luck!