Standard Deviation & Measures of Spread · 1

Find the population standard deviation of the data set: 12, 16, 9, 16, 22, 15.

Standard Deviation & Measures of Spread · 2

Find the population variance of the data set: 55, 58, 53, 50, 59, 56, 54, 47.

Standard Deviation & Measures of Spread · 3

Find the population standard deviation of the data set: 32, 28, 22, 28, 26, 32, 23, 25.

Standard Deviation & Measures of Spread · 4

Set A: 23, 28, 28, 23, 23, 25. Set B: 24, 30, 27, 30, 19, 20. Both sets have a mean of 25. Which set has the greater standard deviation? Answer A or B.

Standard Deviation & Measures of Spread · 5

A data set has a mean of 28 and a standard deviation of 6. Every value in the set is increased by 5. What is the standard deviation of the new data set?

Standard Deviation & Measures of Spread · 6

The data set 12, 11, 3, 4, 15, 12, 10, 13 has a mean of 10 and a population standard deviation of 4. How many of the values are within one standard deviation of the mean (from 6 to 14, including both ends)?

Standard Deviation & Measures of Spread · 7

Find the population standard deviation of the data set: 16, 18, 25, 18, 21, 22.

Standard Deviation & Measures of Spread · 8

Find the population variance of the data set: 40, 27, 39, 31, 33, 28.

Standard Deviation & Measures of Spread · 2

ANSWER

14

Standard Deviation & Measures of Spread · 1

ANSWER

4

Standard Deviation & Measures of Spread · 4

ANSWER

B

Standard Deviation & Measures of Spread · 3

ANSWER

3.5

Standard Deviation & Measures of Spread · 6

ANSWER

5

Standard Deviation & Measures of Spread · 5

ANSWER

6

Standard Deviation & Measures of Spread · 8

ANSWER

25

Standard Deviation & Measures of Spread · 7

ANSWER

3

Find the population standard deviation of the data set: 17, 24, 29, 22, 23, 20, 20, 29.

Find the population variance of the data set: 12, 10, 15, 10, 21, 10.

Find the population standard deviation of the data set: 17, 18, 21, 21, 17, 20, 19, 19.

Set A: 23, 22, 22, 27, 26, 29, 22, 29. Set B: 28, 26, 20, 23, 20, 32, 18, 33. Both sets have a mean of 25. Which set has the greater standard deviation? Answer A or B.

A data set has a mean of 37 and a standard deviation of 2. Every value in the set is increased by 5. What is the standard deviation of the new data set?

The data set 10, 18, 7, 6, 12, 13 has a mean of 11 and a population standard deviation of 4. How many of the values are within one standard deviation of the mean (from 7 to 15, including both ends)?

Find the population standard deviation of the data set: 39, 42, 42, 33, 30, 40, 33, 45.

Find the population variance of the data set: 28, 19, 27, 27, 22, 33.

Standard Deviation & Measures of Spread · 10

ANSWER

16

Standard Deviation & Measures of Spread · 9

ANSWER

4

Standard Deviation & Measures of Spread · 12

ANSWER

B

Standard Deviation & Measures of Spread · 11

ANSWER

1.5

Standard Deviation & Measures of Spread · 14

ANSWER

4

Standard Deviation & Measures of Spread · 13

ANSWER

2

Standard Deviation & Measures of Spread · 16

ANSWER

20

Standard Deviation & Measures of Spread · 15

ANSWER

5

Standard Deviation & Measures of Spread · 17

Find the population standard deviation of the data set: 29, 36, 36, 31, 37, 29, 34, 32.

Standard Deviation & Measures of Spread · 18

Find the population variance of the data set: 32, 35, 27, 26, 27, 21.

Standard Deviation & Measures of Spread · 19

Find the population standard deviation of the data set: 14, 20, 20, 20, 16, 21, 19, 22.

Standard Deviation & Measures of Spread · 20

Set A: 19, 23, 19, 19, 18, 20, 21, 21. Set B: 24, 26, 17, 19, 15, 17, 23, 19. Both sets have a mean of 20. Which set has the greater standard deviation? Answer A or B.

Standard Deviation & Measures of Spread · 21

A data set has a mean of 38 and a standard deviation of 6. Every value in the set is multiplied by 6. What is the standard deviation of the new data set?

Standard Deviation & Measures of Spread · 22

The data set 12, 16, 21, 12, 10, 19 has a mean of 15 and a population standard deviation of 4. How many of the values are within one standard deviation of the mean (from 11 to 19, including both ends)?

Standard Deviation & Measures of Spread · 23

Find the population standard deviation of the data set: 10, 10, 7, 12, 6, 3.

Standard Deviation & Measures of Spread · 24

Find the population variance of the data set: 48, 42, 44, 53, 41, 48.

Standard Deviation & Measures of Spread · 18

ANSWER

20

Standard Deviation & Measures of Spread · 17

ANSWER

3

Standard Deviation & Measures of Spread · 20

ANSWER

B

Standard Deviation & Measures of Spread · 19

ANSWER

2.5

Standard Deviation & Measures of Spread · 22

ANSWER

4

Standard Deviation & Measures of Spread · 21

ANSWER

36

Standard Deviation & Measures of Spread · 24

ANSWER

17

Standard Deviation & Measures of Spread · 23

ANSWER

3