Standard Deviation & Measures of Spread · 1

Find the population variance of the data set: 19, 20, 19, 26, 17, 25.

Standard Deviation & Measures of Spread · 2

Find the population standard deviation of the data set: 9, 17, 13, 20, 11.

Standard Deviation & Measures of Spread · 3

The data set 11, 10, 9, 18, 12, 12 has a mean of 12. Find the sum of the squared differences from the mean.

Standard Deviation & Measures of Spread · 4

Set A: 8, 9, 8, 12, 13. Set B: 15, 10, 5, 4, 16. Both sets have a mean of 10. Which set has the greater standard deviation? Answer A or B.

Standard Deviation & Measures of Spread · 5

Find the population standard deviation of the data set: 4, 11, 2, 4, 8, 13.

Standard Deviation & Measures of Spread · 6

A data set has 5 values. The squared differences from the mean add up to 125. Find the population standard deviation.

Standard Deviation & Measures of Spread · 7

Find the population variance of the data set: 14, 11, 5, 7, 3.

Standard Deviation & Measures of Spread · 8

Find the range of the data set: 11, 14, 25, 26, 3, 27.

Standard Deviation & Measures of Spread · 2

ANSWER

4

Standard Deviation & Measures of Spread · 1

ANSWER

11

Standard Deviation & Measures of Spread · 4

ANSWER

B

Standard Deviation & Measures of Spread · 3

ANSWER

50

Standard Deviation & Measures of Spread · 6

ANSWER

5

Standard Deviation & Measures of Spread · 5

ANSWER

4

Standard Deviation & Measures of Spread · 8

ANSWER

24

Standard Deviation & Measures of Spread · 7

ANSWER

16

Standard Deviation & Measures of Spread · 9

Find the population variance of the data set: 16, 14, 20, 17, 13.

Standard Deviation & Measures of Spread · 10

Find the population standard deviation of the data set: 30, 32, 28, 29, 26.

Standard Deviation & Measures of Spread · 11

The data set 24, 23, 33, 29, 31 has a mean of 28. Find the sum of the squared differences from the mean.

Standard Deviation & Measures of Spread · 12

Set A: 12, 18, 11, 17, 20, 18. Set B: 17, 17, 15, 15, 18, 14. Both sets have a mean of 16. Which set has the greater standard deviation? Answer A or B.

Standard Deviation & Measures of Spread · 13

Find the population standard deviation of the data set: 18, 20, 22, 21, 24.

Standard Deviation & Measures of Spread · 14

A data set has 5 values. The squared differences from the mean add up to 320. Find the population standard deviation.

Standard Deviation & Measures of Spread · 15

Find the population variance of the data set: 27, 28, 30, 22, 24, 25.

Standard Deviation & Measures of Spread · 16

Find the range of the data set: 5, -5, -2, 18, 1, 9.

Standard Deviation & Measures of Spread · 10

ANSWER

2

Standard Deviation & Measures of Spread · 9

ANSWER

6

Standard Deviation & Measures of Spread · 12

ANSWER

A

Standard Deviation & Measures of Spread · 11

ANSWER

76

Standard Deviation & Measures of Spread · 14

ANSWER

8

Standard Deviation & Measures of Spread · 13

ANSWER

2

Standard Deviation & Measures of Spread · 16

ANSWER

23

Standard Deviation & Measures of Spread · 15

ANSWER

7

Standard Deviation & Measures of Spread · 17

Find the population standard deviation of the data set: 41, 38, 39, 36, 42, 43, 46, 43.

Standard Deviation & Measures of Spread · 18

Find the population variance of the data set: 42, 39, 43, 46, 48, 52.

Standard Deviation & Measures of Spread · 19

Find the population standard deviation of the data set: 31, 32, 29, 38, 35, 33, 33, 33.

Standard Deviation & Measures of Spread · 20

Set A: 55, 49, 54, 53, 57, 44. Set B: 54, 50, 55, 50, 51, 52. Both sets have a mean of 52. Which set has the greater standard deviation? Answer A or B.

Standard Deviation & Measures of Spread · 21

A data set has a mean of 41 and a standard deviation of 6. Every value in the set is decreased by 2. What is the standard deviation of the new data set?

Standard Deviation & Measures of Spread · 22

The data set 7, 13, 19, 11, 14, 8 has a mean of 12 and a population standard deviation of 4. How many of the values are within one standard deviation of the mean (from 8 to 16, including both ends)?

Standard Deviation & Measures of Spread · 23

Find the population standard deviation of the data set: 62, 50, 65, 54, 57, 60.

Standard Deviation & Measures of Spread · 24

Find the population variance of the data set: 13, 18, 13, 18, 10, 24.

Standard Deviation & Measures of Spread · 18

ANSWER

18

Standard Deviation & Measures of Spread · 17

ANSWER

3

Standard Deviation & Measures of Spread · 20

ANSWER

A

Standard Deviation & Measures of Spread · 19

ANSWER

2.5

Standard Deviation & Measures of Spread · 22

ANSWER

4

Standard Deviation & Measures of Spread · 21

ANSWER

6

Standard Deviation & Measures of Spread · 24

ANSWER

21

Standard Deviation & Measures of Spread · 23

ANSWER

5