Task card 1 Standard Deviation & Measures of S...

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

Task card 2 Standard Deviation & Measures of S...

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

Task card 3 Standard Deviation & Measures of S...

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

Task card 4 Standard Deviation & Measures of S...

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.

Task card 5 Standard Deviation & Measures of S...

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

Task card 6 Standard Deviation & Measures of S...

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

Task card 7 Standard Deviation & Measures of S...

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

Task card 8 Standard Deviation & Measures of S...

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

Task card 9 Standard Deviation & Measures of S...

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

Task card 10 Standard Deviation & Measures of S...

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

Task card 11 Standard Deviation & Measures of S...

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

Task card 12 Standard Deviation & Measures of S...

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.

Task card 13 Standard Deviation & Measures of S...

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

Task card 14 Standard Deviation & Measures of S...

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

Task card 15 Standard Deviation & Measures of S...

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

Task card 16 Standard Deviation & Measures of S...

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

Task card 17 Standard Deviation & Measures of S...

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

Task card 18 Standard Deviation & Measures of S...

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

Task card 19 Standard Deviation & Measures of S...

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

Task card 20 Standard Deviation & Measures of S...

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.

Task card 21 Standard Deviation & Measures of S...

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?

Task card 22 Standard Deviation & Measures of S...

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)?

Task card 23 Standard Deviation & Measures of S...

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

Task card 24 Standard Deviation & Measures of S...

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

Standard Deviation & Measures of Spread Task Cards

Recording sheet · Grade 9 · Use the population formulas: variance = (sum of the squared differences from the mean) ÷ n, and standard deviation = √variance. Divide by n, the number of values (not by n - 1).

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Standard Deviation & Measures of Spread Task Cards: Answer Key

Grade 9 · Medium

The answers online

1. 11	**2.** 4	**3.** 50
4. B	**5.** 4	**6.** 5
7. 16	**8.** 24	**9.** 6
10. 2	**11.** 76	**12.** A
13. 2	**14.** 8	**15.** 7
16. 23	**17.** 3	**18.** 18
19. 2.5	**20.** A	**21.** 6
22. 4	**23.** 5	**24.** 21