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

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

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

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

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

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

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

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.

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

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?

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

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)?

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

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

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

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

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

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

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

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

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

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

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

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.

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

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?

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

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)?

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

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

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

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

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

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

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

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

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

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

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

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.

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

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?

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

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)?

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

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

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

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

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 · Hard

The answers online

1. 4	**2.** 14	**3.** 3.5
4. B	**5.** 6	**6.** 5
7. 3	**8.** 25	**9.** 4
10. 16	**11.** 1.5	**12.** B
13. 2	**14.** 4	**15.** 5
16. 20	**17.** 3	**18.** 20
19. 2.5	**20.** B	**21.** 36
22. 4	**23.** 3	**24.** 17