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

Find the range of the data set: 9, 15, 16, 13, 19, 19.

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

Find the mean of the data set: 8, 9, 7, 12.

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

The population variance of a data set is 64. Find its standard deviation.

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

The data set 6, 6, 11, 10, 12 has a mean of 9. Find the sum of the squared differences from the mean.

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

A data set has 4 values. The squared differences from the mean add up to 44. Find the population variance.

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

The data set 11, 14, 13, 10, 12 has a mean of 12. Find its population variance.

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

Find the mean of the data set: 12, 11, 13, 8.

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

The data set 1, 7, 1, 7 has a mean of 4. Find its population standard deviation.

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

Find the range of the data set: 24, 14, 13, 14, 22.

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

Find the mean of the data set: 10, 15, 12, 12, 11.

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

The population variance of a data set is 36. Find its standard deviation.

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

The data set 10, 11, 12, 15 has a mean of 12. Find the sum of the squared differences from the mean.

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

A data set has 4 values. The squared differences from the mean add up to 52. Find the population variance.

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

The data set 4, 4, 4, 8 has a mean of 5. Find its population variance.

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

Find the mean of the data set: 7, 10, 12, 15.

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

The data set 6, 12, 12, 6 has a mean of 9. Find its population standard deviation.

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

Find the population variance of the data set: 12, 12, 14, 17, 11, 18.

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

Find the population standard deviation of the data set: 21, 27, 23, 30, 26, 23.

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

The data set 29, 32, 26, 27, 31 has a mean of 29. Find the sum of the squared differences from the mean.

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

Set A: 9, 9, 9, 12, 9, 12. Set B: 7, 7, 11, 14, 9, 12. Both sets have a mean of 10. Which set has the greater standard deviation? Answer A or B.

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

Find the population standard deviation of the data set: 24, 28, 22, 25, 26.

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

A data set has 5 values. The squared differences from the mean add up to 180. Find the population standard deviation.

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

Find the population variance of the data set: 19, 12, 18, 10, 16.

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

Find the range of the data set: 11, -5, -9, -3, -6, -3.

# 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 · Easy

The answers online

| | | |
|---|---|---|
| **1.** 10 | **2.** 9 | **3.** 8 |
| **4.** 32 | **5.** 11 | **6.** 2 |
| **7.** 11 | **8.** 3 | **9.** 11 |
| **10.** 12 | **11.** 6 | **12.** 14 |
| **13.** 13 | **14.** 3 | **15.** 11 |
| **16.** 3 | **17.** 7 | **18.** 3 |
| **19.** 26 | **20.** B | **21.** 2 |
| **22.** 6 | **23.** 12 | **24.** 20 |