**Task card 1** Arithmetic Sequences

Find the common difference of the arithmetic sequence 7, 11, 15, 19, ...

**Task card 2** Arithmetic Sequences

Find the 9th term of the arithmetic sequence 14, 18, 22, 26, ...

**Task card 3** Arithmetic Sequences

Find the 14th term of the arithmetic sequence 14, 18, 22, 26, ...

**Task card 4** Arithmetic Sequences

Find the common difference of the arithmetic sequence -14, -11, -8, -5, ...

**Task card 5** Arithmetic Sequences

Find the 12th term of the arithmetic sequence -8, -5, -2, 1, ...

**Task card 6** Arithmetic Sequences

Find the 12th term of the arithmetic sequence -4, 1, 6, 11, ...

**Task card 7** Arithmetic Sequences

Find the common difference of the arithmetic sequence -8, -4, 0, 4, ...

**Task card 8** Arithmetic Sequences

Find the 13th term of the arithmetic sequence 14, 18, 22, 26, ...

**Task card 9** Arithmetic Sequences

Find the 17th term of the arithmetic sequence 6, 8, 10, 12, ...

**Task card 10** Arithmetic Sequences

Find the common difference of the arithmetic sequence -9, -4, 1, 6, ...

**Task card 11** Arithmetic Sequences

Find the 12th term of the arithmetic sequence -9, -7, -5, -3, ...

**Task card 12** Arithmetic Sequences

Find the 12th term of the arithmetic sequence 13, 18, 23, 28, ...

**Task card 13** Arithmetic Sequences

Find the 15th term of the arithmetic sequence -6, -1, 4, 9, ...

**Task card 14** Arithmetic Sequences

Write a rule for the nth term of the arithmetic sequence 11, 14, 17, 20, ...

**Task card 15** Arithmetic Sequences

In the arithmetic sequence -6, -4, -2, 0, ..., the number 20 is the nth term. Find n.

**Task card 16** Arithmetic Sequences

Find the 9th term of the arithmetic sequence 5, 7, 9, 11, ...

**Task card 17** Arithmetic Sequences

Write a rule for the nth term of the arithmetic sequence 3, 8, 13, 18, ...

**Task card 18** Arithmetic Sequences

In the arithmetic sequence 0, -4, -8, -12, ..., the number -148 is the nth term. Find n.

**Task card 19** Arithmetic Sequences

Find the common difference of the arithmetic sequence -13, -11, -9, -7, ...

**Task card 20** Arithmetic Sequences

Find the 15th term of the arithmetic sequence 9, 11, 13, 15, ...

**Task card 21** Arithmetic Sequences

Find the 12th term of the arithmetic sequence 14, 19, 24, 29, ...

**Task card 22** Arithmetic Sequences

Find the common difference of the arithmetic sequence -13, -8, -3, 2, ...

**Task card 23** Arithmetic Sequences

Find the 12th term of the arithmetic sequence -8, -3, 2, 7, ...

**Task card 24** Arithmetic Sequences

Find the 9th term of the arithmetic sequence -2, 0, 2, 4, ...

# Arithmetic Sequences Task Cards

Recording sheet · Grade 9 · Answer each question. "The nth term" means term number n: in 5, 8, 11, ... the number 11 is the 3rd term. Write rules in the form a_n = dn + c, for example a_n = 3n + 2.

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 |

# Arithmetic Sequences Task Cards: Answer Key

Grade 9 · Easy

The answers online

| | | |
|---|---|---|
| **1.** 4 | **2.** 46 | **3.** 66 |
| **4.** 3 | **5.** 25 | **6.** 51 |
| **7.** 4 | **8.** 62 | **9.** 38 |
| **10.** 5 | **11.** 13 | **12.** 68 |
| **13.** 64 | **14.** a_n = 3n + 8 | **15.** 14 |
| **16.** 21 | **17.** a_n = 5n - 2 | **18.** 38 |
| **19.** 2 | **20.** 37 | **21.** 69 |
| **22.** 5 | **23.** 47 | **24.** 14 |