Task card 1 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -18, -8, 2, 12, 22, ...

Task card 2 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 19, 17, 15, 13, 11, ...

Task card 3 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -19, -23, -27, -31, -35, ...

Task card 4 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, a_4 = 14 and a_5 = 19. Find the common difference.

Task card 5 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 0, -3, -6, -9, -12, ...

Task card 6 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -10, -13, -16, -19, -22, ...

Task card 7 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 23, 34, 45, 56, 67, ...

Task card 8 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_7 = 43$ and $a_8 = 47$. Find the common difference.

Task card 9 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 50, 28, 6, -16, -38, ...

Task card 10 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -19, -8, 3, 14, 25, ...

Task card 11 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 3, 21, 39, 57, 75, ...

Task card 12 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_3 = -87$ and $a_4 = -109$. Find the common difference.

Task card 13 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 1, -16, -33, -50, -67, ...

Task card 14 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -11, 9, 29, 49, 69, ...

Task card 15 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -55, -73, -91, -109, -127, ...

Task card 16 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_2 = -37$ and $a_3 = -18$. Find the common difference.

Task card 17 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 77, 71, 65, 59, 53, ...

Task card 18 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_9 = -12$ and $a_{10} = -18$. Find the common difference.

Task card 19 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence 73, 84, 95, 106, 117, ...

Task card 20 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_7 = 92$ and $a_8 = 115$. Find the common difference.

Task card 21 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -19, -37, -55, -73, -91, ...

Task card 22 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_8 = 78$ and $a_9 = 85$. Find the common difference.

Task card 23 Arithmetic Sequences: Find the Com...

Find the common difference of the arithmetic sequence -12, -16, -20, -24, -28, ...

Task card 24 Arithmetic Sequences: Find the Com...

In an arithmetic sequence, $a_4 = -26$ and $a_5 = -47$. Find the common difference.

Arithmetic Sequences: Find the Common Difference Task Cards

Recording sheet · Grade 9 · Find the common difference d of each arithmetic sequence. It can be negative, like d = -3.

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: Find the Common Difference Task Cards: Answer Key

Grade 9 · Medium

The answers online

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