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

Find the common difference of the arithmetic sequence 18, 20.5, 23, 25.5, 28, ...

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

In an arithmetic sequence, $a_5 = 0$ and $a_{10} = 35$. Find the common difference.

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

Find the common difference of the arithmetic sequence 0, 2, 4, 6, 8, ...

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

In an arithmetic sequence, $a_4 = 46$ and $a_9 = 76$. Find the common difference.

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

Find the common difference of the arithmetic sequence 2, 4, 6, 8, 10, ...

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

In an arithmetic sequence, $a_4 = -30$ and $a_7 = -51$. Find the common difference.

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

Find the common difference of the arithmetic sequence 5.5, 2, -1.5, -5, -8.5, ...

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

In an arithmetic sequence, $a_5 = 15$ and $a_7 = 29$. Find the common difference.

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

Find the common difference of the arithmetic sequence -4.4, -2.9, -1.4, 0.1, 1.6, ...

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

In an arithmetic sequence, $a_2 = 20$ and $a_7 = 35$. Find the common difference.

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

Find the common difference of the arithmetic sequence 11.1, 8.6, 6.1, 3.6, 1.1, ...

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

In an arithmetic sequence, $a_5 = 11$ and $a_9 = 3$. Find the common difference.

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

Find the common difference of the arithmetic sequence 1.8, 1, 0.2, -0.6, -1.4, ...

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

In an arithmetic sequence, $a_2 = -12$ and $a_{10} = 100$. Find the common difference.

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

Find the common difference of the arithmetic sequence 14.7, 17.8, 20.9, 24, 27.1, ...

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

In an arithmetic sequence, $a_3 = -33$ and $a_7 = -93$. Find the common difference.

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

Find the common difference of the arithmetic sequence 19, 20, 21, 22, 23, ...

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

In an arithmetic sequence, $a_6 = 50$ and $a_8 = 66$. Find the common difference.

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

Find the common difference of the arithmetic sequence 7.5, 6.5, 5.5, 4.5, 3.5, ...

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

In an arithmetic sequence, $a_4 = 11$ and $a_9 = -4$. Find the common difference.

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

In an arithmetic sequence, $a_1 = 27$ and $a_3 = 43$. Find the common difference.

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

Find the common difference of the arithmetic sequence 10.5, 9.5, 8.5, 7.5, 6.5, ...

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

In an arithmetic sequence, $a_5 = 40$ and $a_{10} = 70$. Find the common difference.

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

Find the common difference of the arithmetic sequence 9.9, 7.5, 5.1, 2.7, 0.3, ...

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 · Hard

The answers online

1. 2.5	**2.** 7	**3.** 2
4. 6	**5.** 2	**6.** -7
7. -3.5	**8.** 7	**9.** 1.5
10. 3	**11.** -2.5	**12.** -2
13. -0.8	**14.** 14	**15.** 3.1
16. -15	**17.** 1	**18.** 8
19. -1	**20.** -3	**21.** 8
22. -1	**23.** 6	**24.** -2.4