Task card 1 Arithmetic & Geometric Series

Find the sum of the first 10 terms of the arithmetic series -4 - 1 + 2 + ...

Task card 2 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{4} (-2k + 2)$$

Task card 3 Arithmetic & Geometric Series

Find the sum of the first 7 terms of the arithmetic series 9 + 11 + 13 + ...

Task card 4 Arithmetic & Geometric Series

Find the sum of the first 6 terms of the geometric series 5 + 10 + 20 + ...

Task card 5 Arithmetic & Geometric Series

Find the sum of the first 9 terms of the arithmetic series 1 + 6 + 11 + ...

Task card 6 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{4} 3k$$

Task card 7 Arithmetic & Geometric Series

Find the sum of the first 11 terms of the arithmetic series 10 + 12 + 14 + ...

Task card 8 Arithmetic & Geometric Series

Find the sum of the first 5 terms of the geometric series 1 + 3 + 9 + ...

Task card 9 Arithmetic & Geometric Series

Find the sum of the first 12 terms of the arithmetic series 4 + 9 + 14 + ...

Task card 10 Arithmetic & Geometric Series

Find the sum of the first 6 terms of the geometric series 3 + 9 + 27 + ...

Task card 11 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{9} (k + 1)$$

Task card 12 Arithmetic & Geometric Series

Find the sum of the first 6 terms of the geometric series 2 + 6 + 18 + ...

Task card 13 Arithmetic & Geometric Series

Find the sum of the first 11 terms of the arithmetic series 5 + 7 + 9 + ...

Task card 14 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{5} 5 \cdot 2^{k-1}$$

Task card 15 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{7} (3k - 4)$$

Task card 16 Arithmetic & Geometric Series

Find the sum of the first 4 terms of the geometric series 3 + 9 + 27 + ...

Task card 17 Arithmetic & Geometric Series

Find the sum of the first 9 terms of the arithmetic series 11 + 18 + 25 + ...

Task card 18 Arithmetic & Geometric Series

Find the sum of the first 7 terms of the geometric series 5 + 10 + 20 + ...

Task card 19 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{6} (5k - 2)$$

Task card 20 Arithmetic & Geometric Series

Find the sum of the first 6 terms of the geometric series 5 + 15 + 45 + ...

Task card 21 Arithmetic & Geometric Series

Find the sum of the first 8 terms of the arithmetic series 4 + 1 - 2 - ....

Task card 22 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{4} 4 \cdot 3^{k-1}$$

Task card 23 Arithmetic & Geometric Series

Evaluate the sum.

$$\sum_{k=1}^{10} 2k$$

Task card 24 Arithmetic & Geometric Series

Find the sum of the first 6 terms of the geometric series 4 + 12 + 36 + ...

Arithmetic & Geometric Series Task Cards

Recording sheet · Grade 11 · Find each sum. Write fractions in lowest terms.

Name: _____ Date: _____

Scan to check your answers

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 & Geometric Series Task Cards: Answer Key

Grade 11 · Easy

The answers online

1. 95	**2.** -12	**3.** 105
4. 315	**5.** 189	**6.** 30
7. 220	**8.** 121	**9.** 378
10. 1092	**11.** 54	**12.** 728
13. 165	**14.** 155	**15.** 56
16. 120	**17.** 351	**18.** 635
19. 93	**20.** 1820	**21.** -52
22. 160	**23.** 110	**24.** 1456