

## Arithmetic And Geometric Sequences Worksheet With Answers

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### Arithmetic And Geometric Sequences Worksheet

Given the first term and the common ratio of a geometric sequence find the explicit formula and the three terms in the sequence after the last one given. 49)  $a_1 = 4$ ,  $r = -4$  Next 3 terms:  $-16$ ,  $64$ ,  $-256$  Explicit:  $a_n = 4 \cdot (-4)^{n-1}$  50)  $a_1 = -2$ ,  $r = 4$  Next 3 terms:  $-8$ ,  $-32$ ,  $-128$  Explicit:  $a_n = -2 \cdot 4^{n-1}$  51)  $a_1 = 1$ ,  $r = 3$

### Secondary I - 4.3 Arithmetic and Geometric Sequences Worksheet

Arithmetic And Geometric Sequences. Showing top 8 worksheets in the category - Arithmetic And Geometric Sequences. Some of the worksheets displayed are Comparing arithmetic and geometric sequences, Arithmetic and geometric sequences work, Concept 16 arithmetic geometric sequences, Arithmetic sequences date period, Sequences work 1, Pre calculus homework name day 2 sequences series, Geometric sequences 1314, Arithmetic and geometric series work 1.

### Arithmetic And Geometric Sequences - Printable Worksheets

Arithmetic and Geometric Sequences Worksheet Arithmetic Sequence - is a sequence of terms that have a common \_\_\_\_ between them. General Term: Geometric Sequence - is a sequence of terms that have a common \_\_\_\_ between them. General Term: 1. Are the following sequences arithmetic, geometric, or neither? If they are arithmetic, state the value ...

### Arithmetic and Geometric Sequences Worksheet

An arithmetic sequence is a sequence of numbers in which the interval between the consecutive terms is constant. A geometric sequence is a sequence of numbers in which after the first term, consecutive ones are derived from multiplying the term before by a fixed, non-zero number called the common ratio. These worksheets introduce the concepts of arithmetic and geometric series.

### Arithmetic and Geometric Sequences and Series Worksheets

Arithmetic & Geometric Sequences Worksheet Level 2: Goals: Identify Arithmetic and Geometric Sequences Find the next term in an arithmetic sequence Find the next term in a geometric sequence Practice #1 Does this pattern represent an arithmetic or geometric sequence? Explain. Find how many dots would be in the next figure? ...

### Concept 16: Arithmetic & Geometric Sequences

Like arithmetic sequences, we can write explicit formulas for geometric sequences. Write an equation for the nth term of the geometric sequence 3, 12, 48, 192,.... The explicit formula for a geometric sequence is  $a_n = a_1 \cdot r^{n-1}$

### Arithmetic and Geometric Sequences

Comparing Arithmetic and Geometric Sequences Date \_\_\_\_ Period \_\_\_\_ For each sequence, state if it is arithmetic, geometric, or neither. ... Create your own worksheets like this one with Infinite Algebra 2. Free trial available at KutaSoftware.com. Title: Comparing Arithmetic and Geometric Sequences

### Comparing Arithmetic and Geometric Sequences

New York State Common Core Math Algebra I, Module 3, Lesson 3 Worksheets for Algebra I, Module 3, Lesson 3 (pdf) Lesson 3 Summary. Two types of sequences were studied: Arithmetic Sequence: A sequence is called arithmetic if there is a real number d such that each term in the sequence is the sum of the previous term and d. Geometric Sequence: A ...

### Arithmetic and Geometric Sequences (examples, solutions ...

Sequences (Part 1) - Worksheet MCR3U Jensen General formula for an Arithmetic Sequence: ... Determine whether each sequence is an arithmetic sequence, a geometric sequence or neither. If it is an arithmetic or geometric sequence, determine a formula to represent the sequence. a) ...

### Sequences worksheet 1 - free online math courses

The quiz and worksheet will allow you to practice the following: Problem solving - use acquired knowledge to solve arithmetic and geometric series practice problems Interpreting information ...

### Quiz & Worksheet - Practice with Arithmetic & Geometric ...

Arithmetic And Geometric Sequence. Displaying all worksheets related to - Arithmetic And Geometric Sequence. Worksheets are Geometric sequences date period, Arithmetic and geometric sequences work, Concept 16 arithmetic geometric sequences, Arithmetic and geometric series work 1, Work 3 6 arithmetic and geometric progressions, 14 arithmetic and geometric non foundation sequences and ...

### Arithmetic And Geometric Sequence Worksheets - Lesson ...

Worksheet by Kuta Software LLC Secondary Math 1 4.3 Arithmetic and Geometric Sequences Worksheet Name \_\_\_\_ Date \_\_\_\_ Period \_\_\_\_ ©Q y2Q0G1f5A pKPUZtyav dSAoZfMtzwQagrQes dLvLuCU.r j wALlIG YrsiXg\_hWtHs[ sr^eZsQelrNvReede.-1-For each sequence, state if it is arithmetic, geometric, or neither.

### Infinite Algebra 2 - 4.3 Arithmetic and Geometric ...

With inputs from experts, These printable worksheets are tailor-made for 7th grade, 8th grade, and high school students. Geometric sequence worksheets are prepared for determining the geometric sequence, finding first term and common ratio, finding the n th term of a geometric sequence, finding next three terms of the sequence and much more. Sample our free worksheets and start off your ...

### Geometric Sequence Worksheets - Math Worksheets 4 Kids

For a Geometric Sequence:  $t_1 = 1$  st term  $t_n = r(t_{n-1})$  \*Note: When writing the formula, the only thing you fill in is the 1st term and either d or r. Explicit Formula - based on the term number. \*You are able to find the nth term without knowing the previous term. For an Arithmetic Sequence:  $t_n = t_1 + d(n - 1)$  For a Geometric Sequence ...

### Arithmetic and Geometric Sequences Recursive and Explicit ...

Given the first term and the common ratio of a geometric sequence find the first five terms and the explicit formula. 15)  $a_1 = 0.8$ ,  $r = -5$  16)  $a_1 = 1$ ,  $r = 2$  Given the first term and the common ratio of a geometric sequence find the recursive formula and the three terms in the sequence after the last one given. 17)  $a_1 = -4$ ,  $r = 6$  18)  $a_1 = 1$  ...

### Geometric Sequences Date Period - Kuta

Sequence and Series Worksheets | Algebra Worksheets. This extensive collection of series and sequence worksheets is recommended for high school students. Explore various types of sequences and series topics like arithmetic series, arithmetic sequence, geometric sequence, finite and infinite geometric series, special series, general sequence and series, recursive sequence and partial sum of the series.

### Sequence and Series Worksheets - Math Worksheets 4 Kids

Practice-Sequences 3 find term: 12: WS PDF: Journal-Sequences : 2: WS PDF: LESSON PLAN: Sequences: PDF DOC: VIDEOS: Finding the common difference of an arithmetic sequence: VID: Finding the value of the nth term of an arithmetic sequence: VID: Finding the value of the nth term of geometric sequence: VID: Using geometric sequences to model real ...

### JMAP F.IF.A.3: Sequences

An arithmetic series is one where each term is equal the one before it plus some number. For example: 5, 10, 15, 20, .... Each term in this sequence equals the term before it with 5 added on. In contrast, a geometric sequence is one where each term equals the one before it multiplied by a certain value. An example would be 3, 6, 12, 24, 48, ....

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