Geometric Sequences Worksheet Answers

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Geometric Sequences Worksheet Answers
Given the explicit formula for a geometric sequence find the first five terms and the 8th term. 7) a n = 3n − 1 8) a n = 2 · (1 4) n − 1 9) a n = −2.5 · 4n − 1 10) a n = −4 · 3n − 1 Given the recursive formula for a geometric sequence find the common ratio, the first five terms, and the explicit formula. 11) a n = a n − 1 · 2 a 1 = 2 12) a n = a

Geometric Sequences Date Period - Kuta
8 , 8× ((1/4) 1 , 8× ((1/4) 2 , ... , 8× ((1/4) 9. These are the terms of a geometric sequence with a 1 = 8 and r = 1/4 and therefore we can use the formula for the sum of the terms of a geometric sequence. s 10 = a 1 (1 - r n) / (1 - r) = 8 × (1 - (1/4) 10) / (1 - 1/4) = 10.67 (rounded to 2 decimal places)

Geometric Sequences Problems with Solutions
Great for homework or revision. A nice worksheet on geometric sequences. Answers included + links to worked examples if students need a little help. Bonus ...

Geometric sequences | Teaching Resources
Geometric sequences Determine the nth term of a geometric sequence. Determine the common ratio of a geometric sequence. Determine the formula for a geometric sequence. A geometric sequence is a sequence that has a pattern of multiplying by a constant to determine consecutive terms. We say geometric sequences have a common ratio. The formula is a n = a n-1 r

Geometric Sequences (examples, solutions, worksheets ...
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 practice!

Geometric Sequence Worksheets
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: t n = t 1(r n-1)

Arithmetic and Geometric Sequences Recursive and Explicit ...
2, 6, 18, 54, ... This is an increasing geometric sequence with a common ratio of 3. 1,000, 200, 40, 8, ... This is a decreasing geometric sequence with a common ratio or 0.2 or . Geometric sequences can also be recursive or explicit. Remember recursive means you need the previous term and the common ratio to get the next term.

Arithmetic and Geometric Sequences
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 · (−4)n − 1 50) a 1 = −2, r = 4 Next 3 terms: −8, −32 , −128 Explicit: a n = −2 · 4n − 1 51) a 1 = 1, r = 3

Secondary I - 4.3 Arithmetic and Geometric Sequences Worksheet
Showing top 8 worksheets in the category - Geometric Sequence. Some of the worksheets displayed are Geometric sequences date period, Concept 16 arithmetic geometric sequences, Geometric sequence 9nkkzr, Geometric sequence, Geometric sequence and series work, Geometric sequences work, Work 3 6 arithmetic and geometric progressions, Finite geometric series.

Geometric Sequence Worksheets - Teacher Worksheets
Geometric 24) a n = a n − 1 + 8 a 1 = −17 Arithmetic 25) a n = 2 + a n − 1 2 a 1 = −6 Neither 26) a n = a n − 1 + 2 a 1 = 9 Arithmetic 27) a n = a n − 1 + 10 a 1 = −1 Arithmetic 28) a n = na n − 1 a 1 = 1 Neither-2-Create your own worksheets like this one with Infinite Algebra 2. Free trial available at KutaSoftware.com

Comparing Arithmetic and Geometric Sequences
Geometric Sequence Worksheet for Grade 10. GEOMETRIC SEQUENCE WORKSHEET FOR GRADE 10 (1) Which of the following sequences are in G.P.? (i) 3, 9, 27, 81,...

Geometric Sequence Worksheet for Grade 10
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Completing The Square Worksheet Answers Kuta Software ...
Determine if the sequence is geometric. If it is, find the common ratio, the explicit formula, and the recursive formula. 1) −4, 20, −100, 500,... 2) 4, 20, 100, 500,...

Worksheet 50 - Geometric Sequences.ks-ia2
About This Quiz & Worksheet. On this quiz/worksheet combination, your principal task will be to identify common ratios in several different number sequences.

Quiz & Worksheet - Practice with Geometric Sequences ...
Algebra 2 AII.2 Geometric Sequences and Series Notes Mrs. Grieser Page 2 Finding Terms in a Geometric Sequence o Find the 7th term in the sequence: 2, 6, 18, 54, ... r = _____ a 7

Geometic Sequences Geometric sequences multiplied common ...
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Arithmetic and Geometric Sequences Worksheet Luxury Ex 10 ...
General formula for a Geometric Sequence: 1)Find the next three terms of each arithmetic sequence. a)3, 7, 11, 15, _____, _____, _____ c) 22, 20, 18, 16, _____, _____, _____ b)-13, -11, -9, -7, _____, _____, _____ d)-2, -5, -8, -11, _____, _____, _____

Sequences worksheet 1 - jensenmath
Displaying top 8 worksheets found for - Geometric Series Word Problems. Some of the worksheets for this concept are Finite geometric series, 9 11 sequences word, Geometric sequences and series, Geometric and arithmetic series word problems, , Geometry word problems no problem, Arithmetic and geometric series work 1, Arithmetic sequences series work.

Geometric Series Word Problems Worksheets - Learny Kids
The Corbettmaths Practice Questions on the nth term for Linear Sequences