Geometric Sequences · 1

Find the 8th term of the geometric sequence 4, 8, 16, ...

Geometric Sequences · 2

Write a rule for the nth term of the geometric sequence 3, 9, 27, 81, ...

Geometric Sequences · 3

Is the sequence 7, 28, 112, 448, 1792, ... arithmetic, geometric, or neither?

Geometric Sequences · 4

Find the common ratio of the geometric sequence 243, 81, 27, 9, ...

Geometric Sequences · 5

Find the 6th term of the geometric sequence -3, -9, -27, ...

Geometric Sequences · 6

Write a rule for the nth term of the geometric sequence -5, -10, -20, -40, ...

Geometric Sequences · 7

Is the sequence 1, 2, 4, 8, 16, ... arithmetic, geometric, or neither?

Geometric Sequences · 8

Find the common ratio of the geometric sequence 48, 24, 12, 6, ...

Geometric Sequences · 2

ANSWER

$a_n = 3(3)^{n-1}$

Geometric Sequences · 1

ANSWER

512

Geometric Sequences · 4

ANSWER

$\frac{1}{3}$

Geometric Sequences · 3

ANSWER

geometric

Geometric Sequences · 6

ANSWER

$a_n = -5(2)^{n-1}$

Geometric Sequences · 5

ANSWER

-729

Geometric Sequences · 8

ANSWER

$\frac{1}{2}$

Geometric Sequences · 7

ANSWER

geometric

Geometric Sequences · 9

Find the 6th term of the geometric sequence 3, 15, 75, ...

Geometric Sequences · 10

Write a rule for the nth term of the geometric sequence -2, -10, -50, -250, ...

Geometric Sequences · 11

Is the sequence 2, 7, 12, 17, 22, ... arithmetic, geometric, or neither?

Geometric Sequences · 12

Find the common ratio of the geometric sequence 64, 32, 16, 8, ...

Geometric Sequences · 13

Find the 5th term of the geometric sequence -2, -10, -50, ...

Geometric Sequences · 14

Write a rule for the nth term of the geometric sequence -2, 4, -8, 16, ...

Geometric Sequences · 15

Is the sequence 6, 15, 24, 33, 42, ... arithmetic, geometric, or neither?

Geometric Sequences · 16

Find the common ratio of the geometric sequence 405, 135, 45, 15, ...

Geometric Sequences · 10

ANSWER

$a_n = -2(5)^{n-1}$

Geometric Sequences · 9

ANSWER

9375

Geometric Sequences · 12

ANSWER

$\frac{1}{2}$

Geometric Sequences · 11

ANSWER

arithmetic

Geometric Sequences · 14

ANSWER

$a_n = -2(-2)^{n-1}$

Geometric Sequences · 13

ANSWER

-1250

Geometric Sequences · 16

ANSWER

$\frac{1}{3}$

Geometric Sequences · 15

ANSWER

arithmetic

Geometric Sequences · 17

Find the 7th term of the geometric sequence 2, 6, 18, ...

Geometric Sequences · 18

Write a rule for the nth term of the geometric sequence -4, -12, -36, -108, ...

Geometric Sequences · 19

Is the sequence 9, 27, 81, 243, 729, ... arithmetic, geometric, or neither?

Geometric Sequences · 20

Find the common ratio of the geometric sequence 162, 54, 18, 6, ...

Geometric Sequences · 21

Find the 6th term of the geometric sequence 3, -9, 27, ...

Geometric Sequences · 22

Write a rule for the nth term of the geometric sequence 2, -6, 18, -54, ...

Geometric Sequences · 23

Is the sequence 6, 8, 12, 18, 26, ... arithmetic, geometric, or neither?

Geometric Sequences · 24

Find the 6th term of the geometric sequence -4, -12, -36, ...

Geometric Sequences · 18

ANSWER

$a_n = -4(3)^{n-1}$

Geometric Sequences · 17

ANSWER

1458

Geometric Sequences · 20

ANSWER

$\frac{1}{3}$

Geometric Sequences · 19

ANSWER

geometric

Geometric Sequences · 22

ANSWER

$a_n = 2(-3)^{n-1}$

Geometric Sequences · 21

ANSWER

-729

Geometric Sequences · 24

ANSWER

-972

Geometric Sequences · 23

ANSWER

neither