Geometric Sequences · 1

Find the common ratio of the geometric sequence 2, 10, 50, 250, ...

Geometric Sequences · 2

Find the 8th term of the geometric sequence 2, 4, 8, ...

Geometric Sequences · 3

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

Geometric Sequences · 4

Is the sequence 8, 14, 20, 26, 32, ... arithmetic, geometric, or neither?

Geometric Sequences · 5

Find the common ratio of the geometric sequence 6, 30, 150, 750, ...

Geometric Sequences · 6

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

Geometric Sequences · 7

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

Geometric Sequences · 8

Is the sequence 4, 11, 18, 25, 32, ... arithmetic, geometric, or neither?

Geometric Sequences · 2

ANSWER

256

Geometric Sequences · 1

ANSWER

5

Geometric Sequences · 4

ANSWER

arithmetic

Geometric Sequences · 3

ANSWER

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

Geometric Sequences · 6

ANSWER

1250

Geometric Sequences · 5

ANSWER

5

Geometric Sequences · 8

ANSWER

arithmetic

Geometric Sequences · 7

ANSWER

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

Geometric Sequences · 9

Find the common ratio of the geometric sequence -3, -9, -27, -81, ...

Geometric Sequences · 10

Find the 5th term of the geometric sequence -5, -20, -80, ...

Geometric Sequences · 11

Write a rule for the nth term of the geometric sequence 6, 12, 24, 48, ...

Geometric Sequences · 12

Is the sequence 5, 20, 80, 320, 1280, ... arithmetic, geometric, or neither?

Geometric Sequences · 13

Find the common ratio of the geometric sequence -5, -20, -80, -320, ...

Geometric Sequences · 14

Find the 7th term of the geometric sequence 5, 15, 45, ...

Geometric Sequences · 15

Write a rule for the nth term of the geometric sequence 5, 20, 80, 320, ...

Geometric Sequences · 16

Is the sequence 1, 8, 15, 22, 29, ... arithmetic, geometric, or neither?

Geometric Sequences · 10

ANSWER

-1280

Geometric Sequences · 9

ANSWER

3

Geometric Sequences · 12

ANSWER

geometric

Geometric Sequences · 11

ANSWER

$$a_n = 6(2)^{n-1}$$

Geometric Sequences · 14

ANSWER

3645

Geometric Sequences · 13

ANSWER

4

Geometric Sequences · 16

ANSWER

arithmetic

Geometric Sequences · 15

ANSWER

$$a_n = 5(4)^{n-1}$$

Geometric Sequences · 17

Find the 6th term of the geometric sequence 4, 20, 100, ...

Geometric Sequences · 18

Write a rule for the nth term of the geometric sequence 5, 25, 125, 625, ...

Geometric Sequences · 19

Is the sequence 5, 15, 45, 135, 405, ... arithmetic, geometric, or neither?

Geometric Sequences · 20

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

Geometric Sequences · 21

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

Geometric Sequences · 22

Write a rule for the nth term of the geometric sequence -5, 15, -45, 135, ...

Geometric Sequences · 23

Is the sequence 3, 5, 9, 15, 23, ... arithmetic, geometric, or neither?

Geometric Sequences · 24

Find the common ratio of the geometric sequence 32, 16, 8, 4, ...

Geometric Sequences · 18

ANSWER

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

Geometric Sequences · 17

ANSWER

12500

Geometric Sequences · 20

ANSWER

$\frac{1}{3}$

Geometric Sequences · 19

ANSWER

geometric

Geometric Sequences · 22

ANSWER

$a_n = -5(-3)^{n-1}$

Geometric Sequences · 21

ANSWER

-972

Geometric Sequences · 24

ANSWER

$\frac{1}{2}$

Geometric Sequences · 23

ANSWER

neither