

GEOMETRIC PROGRESSION

10 MCQs for Class 10

In a GP

$a, ar, ar^2, ar^3, \dots$

Common ratio = r

n^{th} term

$$a_n = ar^{n-1}$$

★ a = first term

★ r = common ratio

★ $a_n = n^{\text{th}}$ term

1

The common ratio of the GP 2, 6, 18, 54, ... is:

- A 2 B 3
C 4 D 6



2

The 5th term of the GP 3, 6, 12, 24, ... is:

- A 36 B 48
C 60 D 96



3

In the GP 5, 10, 20, 40, ..., the common ratio is:

- A 2 B 4
C 5 D 10



4

The 4th term of the GP 2, 4, 8, 16, ... is:

- A 8 B 12
C 16 D 32



5

Which of the following is a Geometric Progression?

- A 2, 4, 6, 8, ...
B 3, 6, 12, 24, ...
C 1, 3, 6, 10, ...
D 5, 10, 15, 20, ...



6

The 3rd term of the GP 4, 12, 36, ... is:

- A 24 B 32
C 36 D 48



7

If the first term is 5 and the common ratio is 2, the second term is:

- A 7 B 10
C 12 D 15



8

The common ratio of the GP 81, 27, 9, 3, ... is:

- A $\frac{1}{3}$ B 3
C 9 D 27



9

The 6th term of the GP 1, 2, 4, 8, ... is:

- A 16 B 32
C 64 D 128



10

The first term of the GP 7, 21, 63, 189, ... is:

- A 1 B 3
C 7 D 21

