

Geometric Sequence - MCQ

1) Which of the following sequence is a geometric progression?

- a) 62, 1426, 32798, ... b) 3, 6, 9, 12, 15, ... c) 12, 16, 21, 27, 34, ...

2) Which of the following sequence is a geometric sequence?

- a) -123, -246, -307, ...

$$\frac{2}{3}, \frac{1}{6}, \frac{1}{24}, \frac{1}{96}, \frac{1}{384}, \dots$$

3) Which of the following sequence is a geometric sequence?

- a) -5, -60, -720, -8640, ...

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$$4.2, 8.4, 16.8, 33.6, \dots$$

4) Which of the following sequence is a geometric sequence?

- a) -12, -168, -2352, -33024, ...

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$$82, 113, 145, 178, \dots$$

5) Which of the following sequence is a geometric sequence?

- a) $-7, -\frac{14}{\sqrt{3}}, -\frac{28}{3}, -\frac{56}{3\sqrt{3}}, \dots$

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$$9, 18, 36, 72, 144, \dots$$

6) Which of the following is a geometric progression?

a) $\frac{5}{3}, \frac{5}{7}, \frac{15}{49}, \frac{45}{343}, \dots$

b) $-\frac{4}{3}, -\frac{17}{9}, -\frac{44}{18}, -\frac{9}{3}, \dots$

c) -41.7, -39.7, -35.7, ...

7) Which of the following is not a geometric sequence?

a) 110, 220, 440, 880, ...

b) 3.8, 19, 95, 475, 2375, ...

c) -145, -156, -167, ...

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