

Name : _____

Geometric Sequence

- 1) Find the 5th term from the last element of the sequence 10, 20, 40 ... 1280.

- 2) Which term of the sequence $\frac{3}{4}, \frac{3}{5}, \frac{12}{25}$ is $\frac{3072}{15625}$?

- 3) Find the first term and common ratio if the 5th term is 81 and the 8th term is 6561.

- 4) How many terms are there in the geometric progression 2, 6, 18, ... 4374?

- 5) If the third term of a geometric progression is $\frac{1}{\sqrt{2}}$ and the common ratio is $\frac{1}{2}$. Find the 6th term.

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Geometric Sequence

- 1) Find the 5th term from the last element of the sequence 10, 20, 40 ... 1280.

_____ **80** _____

- 2) Which term of the sequence $\frac{3}{4}, \frac{3}{5}, \frac{12}{25}$ is $\frac{3072}{15625}$?

- 3) Find the first term and common ratio if the 5th term is 81 and the 10th term is 162.

- 4) How many terms are there in the sequence 1, 2, 4, 8, ... 256?

_____ **10 terms** _____

- 5) If the third term of a geometric progression is $\frac{1}{\sqrt{2}}$ and the common ratio is $\frac{1}{2}$. Find the 6th term.

_____ **$\frac{1}{8\sqrt{2}}$** _____

