

NAME

QUARTER 1

GRADE & SECTION

DATE

Activity: Geometric Sequence

Complete the information to find what is asked given a geometric sequence. Recall that:

$$a_n = a_1 r^{n-1}$$

- 1) Find a_{11} of a geometric sequence 3, 6, 12, 24, ...

$$a_1 = \boxed{} \quad r = \boxed{} \quad n = \boxed{} \quad a_{11} = \boxed{?}$$

Final Answer: The 11th term is $\boxed{}$

- 2) Find 9th term of a geometric sequence 4, -12, 36, -108, ...

$$a_1 = \boxed{} \quad r = \boxed{} \quad n = \boxed{} \quad a_9 = \boxed{?}$$

Final Answer: The 9th term is $\boxed{}$

- 3) In a geometric sequence $\frac{1}{5}, \frac{1}{10}, \frac{1}{20}, \frac{1}{40}, \dots$, what is a_{10} ?

$$a_1 = \boxed{} \quad r = \boxed{} \quad n = \boxed{} \quad a_{10} = \boxed{?}$$

Final Answer: The 10th term is $\boxed{}$

- 4) What term is 2048 in a geometric sequence 2, 4, 8, 16, ...

$$a_1 = \boxed{} \quad r = \boxed{} \quad n = \boxed{?} \quad a_n = \boxed{}$$

Final Answer: The 2048 is the $\boxed{}$ th of the sequence.

How many attempts? ____.
How well did you do?



Need help!



Just OK!



Splendid

I THINK...