

NAME

QUARTER 1

GRADE & SECTION

DATE

Activity: Geometric Means

Find the geometric means of the following sequence.

Recall that: $a_2 = \pm\sqrt{a_1 a_3}$ and $r = \sqrt[n-k]{\frac{a_n}{a_k}}$

1) What is the geometric mean between -2 and -72 ? \pm

2) What is the geometric mean between 1 and $\frac{1}{9}$? \pm

3) Insert four geometric means between -1 and -243 .

Solution:

Take $a_n = -243$, $n =$ $r =$ -
 and $a_k =$, $k =$ $r =$

Therefore, to complete the sequence:

-1					-243
a_1	a_2	a_3	a_4	a_5	a_6

4) Find the missing term of the sequence $2, _, _, 128$.

Solution:

Take $a_n = 128$, $n =$ $r =$ -
 and $a_k =$, $k =$ $r =$

Therefore, to complete the sequence:

2			128
a_1	a_2	a_3	a_4

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



Need help!



Just OK!



Splendid

I HAVE TO REMEMBER THAT...