Sequences, finite sums, exponentials and logarithms

ACT · Vocabulary in context

Word	Example
+ **arithmetic sequence** /əˈrɪθmətɪk ˈsiːkwəns/	2, 7, 12, 17 is an **arithmetic sequence**. 2, 7, 12, 17
× **geometric sequence** /ˌdʒiːəʊˈmetrɪk ˈsiːkwəns/	2, 6, 18, 54 is a **geometric sequence**. 2, 6, 18, 54
common ratio /ˈkɒmən ˈreɪʃɪəʊ/	In 3, 6, 12, 24 the **common ratio** is 2.
$\times_2$ **logarithm** /ˈlɒgərɪθəm/	Take the **logarithm** of both sides.
( ) **logarithm argument** /ˈlɒgərɪðəm ˈɑːgjʊmənt/	The **logarithm argument** must be positive.

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