

Algebra 1—UNIT 1 Expressions, Integers, Properties, and Rational Numbers

Lessons 0-3, 0-4, 0-5, 1-1, 1-2, 1-3, 1-4, 3-5, 9-8

OAS: Review Skills from prior years

A1.A.3.5 Recognize that arithmetic sequences are linear using equations, tables, graphs, and verbal descriptions. Use the pattern, find the next term.

A1.A.3.6 Recognize that geometric sequences are exponential using equations, tables, graphs and verbal descriptions. Given the formula $f(x) = a(r)^x$ find the next term and define the meaning of a and r within the context of the problem.

Advanced	In addition to Satisfactory applications, in depth inferences are made and applications that go beyond what was taught.
Satisfactory	<p>Students will be able to:</p> <ul style="list-style-type: none">○ Add, subtract, multiply, divide integers precisely.○ Add, subtract, multiply, divide fractions and decimals.○ Write expressions verbally and algebraically○ Derive and use the formulas for geometric and arithmetic sequences.○ Find the nth term in a sequence.○ Discuss limits in real world situations.○ Evaluate expressions with absolute value.○ Follow order of operations precisely to evaluate expressions.○ Be able to use a calculator to solve problems.○ Recognize and understand properties of equality, identity, and distributive.○ Understand and effectively use vocabulary: multiplicative inverse, reciprocal, integer, sum, difference, product, quotient, power, exponent, base, term, order of operations, like terms, coefficient, constant, variable, arithmetic sequence, geometric sequence, exponential growth, linear growth <p>Student exhibits no major errors or omissions.</p>
Limited Knowledge	<ul style="list-style-type: none">○ Recognizes and defines vocabulary but cannot expand or elaborate. <p>No major errors or omissions regarding the simpler details and processes, but the student exhibits major errors or omissions regarding the more complex ideas and processes.</p>
Unsatisfactory	With help, a partial understanding of the limited knowledge content, but not the satisfactory content.