Readiness Assessment

Alpha

Students who are ready for Alpha

- Can accurately count up to 9
- Can associate a number with a given quantity of objects
- Can write the numerals 0 to 9
- Can follow simple directions
- Can engage in a lesion with an instructor for about 15 minutes
- Can work to commit addition and subtraction facts to memory
- Can preserve at a task until new skills are mastered

Beta

Students who are ready for Beta

- Can count by tens
- Can begin at any number and count to 100
- Can write any number between 0 and 999
- Can recall the addition and subtraction facts from memory
- Can use place value to identify the digits that represent units, tens, and hundreds
- Can write a mathematical expression (number sentence) to represent a word problem
- Can solve for an unknown in a simple addition or subtraction equation

Gamma

Students who are ready for Gamma

- Can read and write numbers through the hundred thousands
- Can count by twos, fives, and tens
- Can recall addition and subtraction facts from memory
- Can add and subtract multiple-digit numbers using regrouping (carrying or borrowing) as needed.

Delta

Students who are ready for Delta

- Can comfortably add or subtract multiple-digit numbers, using regrouping as needed
- Can recall single-digit multiplication facts from memory
- Can demonstrate a multiplication problem by building or drawing a rectangle
- Can list the multiplication facts of a given number
- Can solve for an unknown factor
- Can write a subtraction equation (number sentence) to solve a word problem
- Can write a multiplication equation (number sentence) to solve a word problem

Epsilon

Students who are ready for Epsilon

- Can comfortably add or subtract multiple-digit numbers, using regrouping as necessary
- Can demonstrate a division problem by drawing a diagram
- Can give the quotients for single-digit numbers, regrouping as necessary
- Can comfortably divide multiple digit numbers with remainders
- Can determine and apply the operation(s) needed to solve a word problem

Zeta

Students who are ready for Zeta

- Can competently add, subtract, multiply, and divide multiple-digit whole numbers
- Can competently add, subtract, multiply, and divide fractions
- Can competently add, subtract, multiply, and divide mixed numbers
- Can determine and apply the operation(s) necessary to solve a word problem with whole numbers or fractions

Pre-Algebra

Students who are ready for Pre-Algebra

- Can easily add, subtract, multiply, and divide multiple-digit whole numbers
- Can proficiently add, subtract, multiply, and divide fractions
- Can proficiently add, subtract, multiply, and divide mixed numbers
- Can proficiently add, subtract, multiply, and divide decimal numbers
- Can convert between a fraction, decimal, and percent
- Can determine and apply the operation(s) necessary to solve a word problem with whole numbers, fractions, or decimals

Algebra 1

Students who are ready for Algebra 1

- Can proficiently add, subtract, multiply, and divide whole numbers, fractions, mixed numbers, and decimals
- Can convert between a fraction, decimal, and percent
- Can solve one-step equations
- Can plot points on a number line and coordinate grid
- Can perform operations with integers
- Can write an algebraic expression to solve a word problem

Geometry

Students who are ready for Geometry have successfully completed Pre-Algebra (generally an eighth-grade math course). It is highly recommended that Algebra 1 be completed as well.

Algebra 2

Students who are ready for Algebra 2 have successfully completed Algebra 1.

PreCalculus

Students who are ready for PreCalculus have successfully completed Algebra 1, Geometry, and Algebra 2.

Calculus

Students who are ready for Calculus have successfully completed Algebra 1, Algebra 2, Geometry, and PreCalculus (Trigonometry/Advanced Math)