Achievement Level Descriptors

for

Grade 3 Mathematics

Georgia Department of Education
September 2015

Based on the 2014-2015 Administrations

Achievement Levels and Achievement Level Descriptors

With the implementation of the Georgia Milestones Assessment System, Georgia educators have developed four achievement levels to describe student mastery and command of the knowledge and skills outlined in Georgia's content standards. Most students have at least some knowledge of the content described in the content standards; however, achievement levels succinctly describe how much mastery a student has. Achievement levels give meaning and context to scale scores by describing the knowledge and skills students must demonstrate to achieve each level.

The four achievement levels on Georgia Milestones are *Beginning Learner, Developing Learner, Proficient Learner,* and *Distinguished Learner.* The general meaning of each of the four levels is provided below:

Beginning Learners **do not yet demonstrate proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students ***need substantial academic support*** to be prepared for the next grade level or course and to be on track for college and career readiness.

Developing Learners **demonstrate partial proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students ***need additional academic support*** to ensure success in the next grade level or course and to be on track for college and career readiness.

Proficient Learners **demonstrate proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students ***are prepared*** for the next grade level or course and are on track for college and career readiness.

Distinguished Learners **demonstrate advanced proficiency** in the knowledge and skills necessary at this grade level/course of learning, as specified in Georgia's content standards. The students ***are well prepared*** for the next grade level or course and are well prepared for college and career readiness.

More detailed and content-specific concepts and skills are provided for each grade, content area, and course in the **Achievement Level Descriptors** (ALDs). ALDs are narrative descriptions of the knowledge and skills expected at each of the four achievement levels and were developed for each grade level, content area, and course by committees of Georgia educators in March 2015 and July 2015. The ALDs are based on the state-adopted content standards.

ALDs show a *progression of knowledge and skills* for which students must demonstrate competency across the achievement levels. It is important to understand that a student should demonstrate mastery of the knowledge and skills within his/her achievement level *as well as all content and skills in any achievement levels that precede his/her own, if any*. For example, a Proficient Learner should also possess the knowledge and skills of a Developing Learner *and* a Beginning Learner.

ALD	Standard	Beginning Learner	Developing Learner	Proficient Learner	Distinguished Learner
Policy		**Beginning Learners do not yet demonstrate proficiency in the knowledge and skills** necessary at this grade level/course of learning, as specified in Georgia's content standards. The students need substantial academic support to be prepared for the next grade level or course and to be on track for *college and career readiness.*	**Developing Learners demonstrate partial proficiency in the knowledge and skills** necessary at this grade level/course of learning, as specified in Georgia's content standards. The students need additional academic support to ensure success in the next grade level or course and to be on track for *college and career readiness.*	**Proficient Learners demonstrate proficiency in the knowledge and skills** necessary at this grade level/course of learning, as specified in Georgia's content standards. The students are prepared for the next grade level or course and are on track for *college and career readiness.*	**Distinguished Learners demonstrate advanced proficiency in the knowledge and skills** necessary at this grade level/course of learning, as specified in Georgia's content standards. The students are well prepared for the next grade level or course and are well prepared for *college and career readiness.*
Range		A student who achieves at the **Beginning Learner** level demonstrates minimal command of the grade-level standards.	A student who achieves at the **Developing Learner** level demonstrates partial command of the grade-level standards.	A student who achieves at the **Proficient Learner** level demonstrates proficiency of the grade-level standards.	A student who achieves at the **Distinguished Learner** level demonstrates advanced proficiency of the grade-level standards.
	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.OA.8 3.OA.9	Interprets sums and differences of whole numbers, finds unknown terms in addition and subtraction equations, adds and subtracts whole numbers, solves one-step word problems, and finds the next term in an arithmetic pattern.	Interprets whole-number products and solves one-step problems using multiplication, finds an unknown in a multiplication equation, and extends the terms of an arithmetic pattern.	Interprets whole-number products and quotients, solves two-step word problems using all four operations, applies a property of operations to multiply and divide, finds unknowns in multiplication and division equations, and identifies unknown factors in multiplication expressions.	Interprets products and quotients and solves two-step word problems using all four operations, applies multiple properties of operations to multiply and divide, finds unknowns in equations, represents division in terms of unknown factors, fluently multiplies and divides, and identifies multiple-rule arithmetic patterns.
	3.NBT.1 3.NBT.2 3.NBT.3	Understands place value to 1000 and multiplies single-digit numbers.	Adds and subtracts within 1000.	Uses place value relationships to round numbers, multiplies whole numbers by multiples of ten, adds and subtracts fluently, and explains arithmetic patterns.	Recognizes that each place value, left to right, is ten times the one before it, rounding to specific whole-number place values, and multiplies multiples of ten by each other.

	3.NF.1 3.NF.2 3.NF.3	Identifies fractional parts of one whole and recognizes unit fractions on a visual model.	Understands a unit fraction as an equal part of one whole and represents unit fractions on a number line.	Understands fractions in terms of equal parts of a whole and intervals on a number line, recognizes fractional equivalence using a visual model, and compares fractions with the same numerator or with the same denominator.	Understands fractions, fractional equivalence, comparisons, unit fractions, and addition and subtraction of fractions in terms of equal partitions of one or more wholes and intervals on a number line.
	3.MD.1 3.MD.2 3.MD.3 3.MD.4 3.MD.5 3.MD.6 3.MD.7 3.MD.8	Tells and writes time to the nearest five minutes, recognizes standard units such as grams and liters, draws a picture graph or bar graph to represent data, and recognizes polygons have side lengths.	Tells and writes time to the minute; measures length to the nearest whole unit; identifies two or more attributes of two-dimensional objects; compares areas by size; finds the area of a rectangle with whole-number sides; interprets picture or bar graph to represent data and solves one-step problems using the information presented; measures units to the nearest half and generates a line plot; and finds perimeter, given side lengths.	Tells and writes time to the minute; measures elapsed time intervals in minutes; measures and estimates length to one-quarter of a unit; measures volume and mass; draws and interprets pictographs and bar graphs; finds areas by adding squares and by relating to multiplication of side lengths; measures units to nearest half and fourth and generates a line plot; finds perimeter, given side lengths and unknown side lengths; and finds rectangles with the same perimeter and different areas or with the same area and different perimeters.	Tells and writes time; measures elapsed time; measures and estimates lengths, volumes, and masses; draws graphs; solves multistep problems involving interpreting graphs; measures units to nearest half and fourth and constructs and interprets line plots; and recognizes patterns between area and perimeter.
	3.G.1 3.G.2	Recognizes quadrilaterals and partitions shapes into halves.	Recognizes that shapes fit into different categories and partitions regular polygons into regions of equal areas.	Understands categories of two-dimensional shapes and relates equal areas of shapes to fractional parts and draws examples of quadrilaterals that do not belong to any subcategories of quadrilaterals.	Recognizes multiple attributes of two-dimensional objects, calculates areas of rectangles and perimeters of polygons, and partitions shapes into equal areas and relates them to fractional parts.

