Parent Friendly
Performance Level Descriptors (PLDs)
Grade 7 Mathematics

The Parent Friendly PLDs contain some examples of what a typical student can do at each achievement level. These descriptions are derived from the skills and knowledge demanded in the South Carolina College- and Career Ready Standards (SCCCRS). However, the descriptions are not comprehensive and should not be used as a substitute for the SCCCRS. For a complete list of the standards for each grade level see:
http://ed.sc.gov/instruction/standards-learning/mathematics/standards/.

For the South Carolina READY assessments (SC READY), educators have developed four performance levels to describe mastery and command of the knowledge and skills outlined in the SCCCRS. Performance levels give meaning and context to numerical scale scores by describing the knowledge and skills students must demonstrate to achieve each level.

The four performance levels for SC READY are *Does Not Meet Expectations, Approaches Expectations, Meets Expectations,* and *Exceeds Expectations.* The general meaning of each level is provided below:

A student who does not meet expectations in the knowledge and skills defined by the grade level content standards ***needs substantial academic support*** to be prepared for the next grade and to be on track for college and career readiness.

A student who approaches expectations in demonstrating the knowledge and skills defined by the grade level content standards, ***needs additional academic support*** to be prepared for the next grade level and to be on track for college and career readiness.

A student who meets expectations in demonstrating the knowledge and skills defined by the grade level content standards, ***is prepared*** for the next grade level and is on track for college and career readiness.

A student who exceeds expectations in demonstrating the knowledge and skills defined by the grade level content standards, ***is well prepared*** for the next grade level and is well prepared for college and career readiness.

PLDs show a *progression of knowledge and skills* that students are expected to have mastered across the performance levels. It is important to understand that a student should demonstrate knowledge and skills within his/her performance level *as well as all content and skills in any preceding performance levels, if any*. For example, a student who *meets expectations* should also possess the knowledge and skills described at the *approaches expectations* and *does not meet expectations* performance levels.

A student who scores in the does not meet expectations category typically can:

- Use the four operations to solve one-step real-world problems with positive rational numbers
- Distinguish between proportional relationships and relationships with equivalent ratios
- Use the commutative or associative properties to combine like terms in an expression
- Write and graph one-variable inequalities
- Identify the vertices, edges, and faces of a right rectangular prism
- Identify the center, radius, diameter, and circumference of circles
- Distinguish between populations and samples in statistics
- Understand samples can be used to gain information about a population

A student who scores in the approaches expectations category typically can:

- Use procedures to add, subtract, multiply, and divide integers
- Solve basic multi-step real-world and mathematical problems with integers
- Determine proportional relationships by examining tables and graphs
- Use the distributive property to generate equivalent linear expressions
- Solve two-step real-world and mathematical problems with integer coefficients
- Describe the surface area of a right rectangular prism
- Use formulas to calculate area, surface area, and volume
- Understand probabilities fall between 0 and 1 and the likelihood within that range
- Calculate simple probability

A student who scores in the meets expectations category typically can:

- Fluently use all four operations with rational numbers
- Compare and order rational numbers using graphs and symbols ($<$, $>$, $\leq$, $\geq$, and $=$)
- Relate the constant of proportionality to the real world problem and use it to write an equation
- Solve multi-step real-world and mathematical problems with rational coefficients
- Apply the laws of exponents to evaluate numerical expressions with whole number exponents
- Describe geometric figures and the relationships between them
- Use formulas to find the area of circles
- Identify and solve problems with scale drawings using proportional reasoning
- Use random sampling to draw comparative inferences about two populations
- Compare theoretical and experimental probabilities
- Use a variety of tools, including simulations, to find probabilities of compound events

A student who scores in the exceeds expectations category typically can:

- Solve multi-step real-world problems, using fractions and decimals interchangeably
- Interpret numerical and symbolic proportional relationships and use them to solve multi-step problems
- Use variables to represent quantities in complex multi-step real-world problems with equations and inequalities; interpret solutions in context
- Solve complex multi-step problems involving angle measures, area, surface area, and volume of right rectangular prisms, right triangular prisms, and shapes composed of those prisms
- Use statistics to draw comparative inferences about multiple populations
- Develop, use, and evaluate the validity of multiple probability models