

Grade 3 Mathematics Performance Level Descriptors

Advanced: Students demonstrate superior performance on challenging subject matter. In addition to demonstrating a broad and in-depth understanding and application of all skills at the Proficient level, students scoring at the **Advanced** level typically complete complex addition, subtraction, and multiplication problems and model division facts. Students order fractions using models and compose and decompose fractions related to the same whole. Students extend patterns and generate real-world situations to represent number sentences. Students determine volume and elapsed time. Students summarize complex data sets and analyze the data to solve problems. Students solve complex and non-routine real-world problems, draw logical conclusions, and justify solutions.

Proficient: Students demonstrate mastery over appropriate grade-level subject matter and readiness for the next grade level. Students scoring at the **Proficient** level typically compare and order whole numbers. Students complete addition, subtraction, and multiplication problems and recognize the relationship between multiplication and division. Students construct and compare fractions using models. Students select the fewest number of coins for a given amount of money. Students determine rules to describe basic patterns. Students determine unknowns in equations and apply number properties. Students classify angles. Students sort three-dimensional figures and determine the perimeter of polygons. Students determine the area of two-dimensional figures. Students read and analyze length, temperature, and time. Students summarize a data set and analyze the data to solve problems. Students solve real-world problems and employ problem-solving strategies of identifying and using appropriate information.

Basic: Students demonstrate partial mastery of the essential knowledge and skills appropriate to their grade level. Students scoring at the **Basic** level represent whole numbers. Students complete simple addition, subtraction, and multiplication problems. Students read and write fractions. Students determine the value of a set of coins or bills. Students determine rules to describe simple patterns. Students determine unknowns in simple equations. Students identify right angles. Students choose an appropriate instrument to measure an object. Students read and write time from a digital clock.

Below Basic: Students have not performed at least at the Basic level. Students scoring at the **Below Basic** level should be given comprehensive mathematical instruction.