Grade 4 Mathematics ISAT Proficiency Level Descriptors

Advanced
Fourth grade students typically performing at the Advanced level consistently demonstrate a thorough understanding of grade-level mathematics. They use the numeration system and money, measurement concepts and estimation, measurement equivalencies, complex number sentences and expressions, and probability concepts in order to solve real-world problems. Students model real-world situations using challenging patterns, geometric concepts, and data displays. Students show the ability to consistently perform challenging calculations, convert units of measurement, locate first quadrant points on a coordinate grid, and solve challenging equations as a way to demonstrate their understanding of the relationships between mathematics and the world around them.

Proficient
Fourth grade students typically performing at the Proficient level demonstrate a general understanding of grade-level mathematics. They use the numeration system and money, measurement concepts and estimation, measurement equivalencies, number sentences and expressions, and probability in order to solve real-world problems. Students model real-world situations using patterns, geometric concepts, and data displays. Students show the ability to adequately perform calculations, convert units of measurement, locate first quadrant points on a coordinate grid, solve equations, and determine mode as a way to demonstrate their understanding of the relationships between mathematics and the world around them.

Basic
Fourth grade students typically performing at the Basic level demonstrate a limited understanding of grade-level mathematics. They demonstrate limited use of the numeration system and money, measurement concepts and estimation, some measurement equivalencies, simple number sentences and expressions, and rudimentary concepts of probability in an attempt to solve real-world problems. Students model basic real-world situations using simple patterns, some geometric concepts, and simple data displays. Students show the ability to perform some simple calculations, convert some units of measurement, locate some first quadrant points on a coordinate grid, solve some equations, and, at times, determine mode in an attempt to demonstrate their understanding of the relationships between mathematics and the world around them.