

Grade 3 Mathematics MCA-III Achievement Level Descriptors

399		Number and Operation
399	Meets State Standard	Exceeds the Standard Solves real-world and mathematical problems using addition, subtraction, and multiplication; understands that the size of a fractional part is relative to the size of the whole.
366	Meets State Standard	Meets the Standard Compares and represents whole numbers up to 100,000; solves real-world and mathematical problems using addition and subtraction; represents multiplication and division in various ways (reference MN Academic Standards 3.1.2.3); compares and orders fractions with common denominators.
350	Meets State Standard	Meets the Standard Compares and represents whole numbers up to 100,000; solves real-world and mathematical problems using addition and subtraction; represents multiplication and division in various ways (reference MN Academic Standards 3.1.2.3); compares and orders fractions with common denominators.
340	Does Not Meet State Standard	Partially Meets the Standard Represents whole numbers up to 1,000 using expanded notations; compares whole numbers up to 100,000; subtracts multi-digit whole numbers without regrouping; knows common multiplication and division facts (2s, 5s, 10s); writes fractions for a given representation, including number line.
301	Does Not Meet State Standard	Does Not Meet the Standard Represents whole numbers with words; adds multi-digit whole numbers, matches fractions with correct area model.

399		Algebra
399	Meets State Standard	Exceeds the Standard Conceptual understanding of pattern (e.g., recognizes input-output relationship); interprets number sentences involving unknowns.
366	Meets State Standard	Meets the Standard Continues patterns to a specified term (e.g., given first three terms in a pattern, finds sixth term); represents real-world situations with a number sentence involving basic facts and an unknown.
350	Meets State Standard	Meets the Standard Continues patterns to a specified term (e.g., given first three terms in a pattern, finds sixth term); represents real-world situations with a number sentence involving basic facts and an unknown.
340	Does Not Meet State Standard	Partially Meets the Standard Identifies next number in a pattern; represents simple situations with a number sentence involving basic facts and an isolated unknown.
301	Does Not Meet State Standard	Does Not Meet the Standard Recognizes additive patterns in lists of numbers; recognizes basic facts represented in number sentences

399		Geometry & Measurement
399	Meets State Standard	Exceeds the Standard Distinguishes between parallel and perpendicular lines in a shape; conceptual understanding of perimeter; determines elapsed time and does not require a graphic.
366	Meets State Standard	Meets the Standard Identifies parallel and perpendicular lines; calculates perimeter; makes correct change from a dollar; tells time from an analog clock; determines elapsed time within an hour; solves problems involving reading a thermometer and calculating temperature.
350	Meets State Standard	Meets the Standard Identifies parallel and perpendicular lines; calculates perimeter; makes correct change from a dollar; tells time from an analog clock; determines elapsed time within an hour; solves problems involving reading a thermometer and calculating temperature.
340	Does Not Meet State Standard	Partially Meets the Standard Names and describes polygons based on a familiar pictorial orientation by counting number of sides; determines perimeter using additive model.
301	Does Not Meet State Standard	Does Not Meet the Standard Recognizes parallel lines; matches a picture to the name of a familiar polygon (pattern blocks); knows to use a ruler to measure distance; knows the value of coins; reads a thermometer.

399		Data Analysis & Probability
399	Meets State Standard	Exceeds the Standard Translates between data and data displays in a variety of situations.
366	Meets State Standard	Meets the Standard Interprets bar graphs, pictographs, and tally charts.
350	Meets State Standard	Meets the Standard Interprets bar graphs, pictographs, and tally charts.
340	Does Not Meet State Standard	Partially Meets the Standard Matches set of data with data display (e.g., table or graph).
301	Does Not Meet State Standard	Does Not Meet the Standard Reads data from a bar graph.