Math Entrance Exam Requirements

Grade 2 to 3	**Place value and Value of a number to 1000:** Students should be able to: • Identify the place and value of a digit through 1000. • Write 3-digit numbers using different ways (word, expanded and standard). • Decompose 3-digit numbers in two different ways. • Compare two 3-digit numbers.
	Patterns with numbers (Skip count by 1, 5, 10 and 100): Students should be able to: • Skip count by 1, 5, 10 and 100. • Determine if the number is odd or even. • Determine the number of rows and columns in an array. • Writing repeated addition equations for the array.
	Strategies to Add fluently within 100 (Decompose numbers, use number line, align vertically and use base ten blocks to add): Students should be able to: • Add fluently within 100. • Decompose addends to add by partial sums. • Model using base ten blocks to find the sum.
	Strategies to Subtract fluently within 100 (Use number line-count backwards, align vertically and use base ten blocks to Subtract): Students should be able to: • Subtract fluently within 100. • Model using base ten blocks to find the difference.

	Length in Metric Unit (cm, mm, m, km): Students will need a ruler Students should be able to: • Measure the length of objects in centimeters and meters. • Identify the measuring unit to be used for each object.
	Strategies to Add 3- digit numbers: Students should be able to: • Represent and solve 3-digit addition equations that require no regrouping. • Represent and solve 3-digit addition equations that require regrouping. • Use base ten blocks as a strategy to add 3-digit numbers. • Use partial sums to add by decomposing both addends.
	Strategies to Subtract 3- digit numbers: Students should be able to: • Represent and solve 3-digit subtraction equations that require no regrouping. • Represent and solve 3-digit subtraction equations that require regrouping. • Use base ten blocks as a strategy to subtract 3-digit numbers.
	Geometric Shapes: Students should be able to: • Recognize 2-dimensional shapes based on their attributes (sides, angles and vertices) • Identify the name of polygons (polygons up to 8 sides) • Identify 3-dimensional shapes and their attributes.
	Fractions: Students should be able to: • Identify whole, equal parts, numerator, denominator • Write the correct fraction based on shaded parts • Shade shapes to represent a given fraction
	Multiplication: Students should be able to:

	Understand that multiplying by 0 gives 0 Understand that multiplying by 1 keeps the number the same Understand that multiplying by 2 means doubling