



## Math Entrance Exam Requirements

<b>Grade 2 to 3</b>	<b>Place value and Value of a number to 1000:</b> Students should be able to: <ul style="list-style-type: none"><li>• Identify the place and value of a digit through 1000.</li><li>• Write 3-digit numbers using different ways (word, expanded and standard).</li><li>• Decompose 3-digit numbers in two different ways.</li><li>• Compare two 3-digit numbers.</li></ul>
	<b>Patterns with numbers (Skip count by 1, 5, 10 and 100):</b> Students should be able to: <ul style="list-style-type: none"><li>• Skip count by 1, 5, 10 and 100.</li><li>• Determine if the number is odd or even.</li><li>• Determine the number of rows and columns in an array.</li><li>• Writing repeated addition equations for the array.</li></ul>
	<b>Strategies to Add fluently within 100 (Decompose numbers, use number line, align vertically and use base ten blocks to add):</b> Students should be able to: <ul style="list-style-type: none"><li>• Add fluently within 100.</li><li>• Decompose addends to add by partial sums.</li><li>• Model using base ten blocks to find the sum.</li></ul>
	<b>Strategies to Subtract fluently within 100 (Use number line-count backwards, align vertically and use base ten blocks to Subtract):</b> Students should be able to: <ul style="list-style-type: none"><li>• Subtract fluently within 100.</li></ul>

- 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