Math Expectation to Enter Grade 7

A student who shows a mastery of the skills listed below should be able to perform well in the Grade 7 (MYP 2) Mathematics course:

1- Number:
- Understanding Integers (represent, compare and order)
- Operations on integers
- Index notation (basics, powers of 10)
- Order of operations
- Add, subtract, multiply and divide fractions
- Prime factorization and divisibility rules
- Decimals (operations, rounding) and percentages.
- Solving problems involving any of the topics above.

2- Algebra:
- Number patterns
- Describing simple relations using a mathematical expression.
- Understand the concept of a variable
- Introducing algebraic expressions: using variables to represent values
- Solving simple equations.

3- Geometry:
- Measuring angles, lengths
- Converting units (length, capacity, mass)
- Classifying geometric shapes and describing their properties
- Perimeter and area of basic shapes
- Constructing triangles

4- Statistics & Probability:
- Planning a statistical investigation: asking the right question, defining variables, nature of the data (numerical/categorical, discrete/continuous)
- Data collection: tally tables, introduce the concept of sampling
- Data representation: tables, diagrams & graphs
- Data analysis: finding the average (mean) and the spread (range) of a set of data.
- Conveying an idea using statistics