

Math Entrance Exam Requirements

Grade level	Requirements
Grade 5 to Grade 6	<u>Place Value:</u> Students should be able to: - Identify the place and the value of numbers through billion - Write the Expanded form, expanded notation and word form <u>Knowing numbers:</u> Students should be able to: - Round whole numbers - Compare and order whole numbers <u>Integers:</u> Students should be able to: - Add and subtract numbers - Multiply large numbers <u>Multiples and Factors:</u> Students should be able to: - Find the least common multiple of two or more numbers - Find the greatest common factor of two or more numbers <u>Division:</u> Students should be able to: - Divisibility rules - Divide whole numbers by single digit divisors - Divide whole numbers by two-digit divisors <u>Decimals:</u> Students should be able to: - Identify places of decimals through thousandths - Round decimals - Compare and order decimals in ascending and descending order <u>Addition of whole numbers and decimals:</u> Students must be able to: • Add decimals with integers • Add decimals with other decimals including the thousandths <u>Subtraction of whole numbers and decimals:</u> Students must be able to: • Subtract decimals and integers • Subtract decimals with other decimals including the thousandths <u>Multiplication of whole numbers and decimals:</u> Students must be able to: • Multiply two digits by one digit number • Multiply two digit, three digits, and four digits by two-digit numbers • Multiply decimals by integers • Multiply decimals by decimals (<i>up till the thousandths place</i>) <u>Dividing of whole numbers and decimals:</u> Students must be able to: • Divide decimals <u>Fractions:</u> Students must be able to: • Represent fractions (Proper and improper fractions/mixed numbers) • Order fractions in ascending and descending order • Find equivalent fractions • Simplify fractions using GCF • Change decimals to fractions and vice versa <u>Fractions operations:</u> • Adding and subtracting fractions • Multiplying and dividing fractions <u>Geometry:</u> Students should be able to: • Differentiate parallel from perpendicular lines • Classify triangles according to sides and angles • Name angles and classify them as (<i>acute, obtuse, straight, right, reflex</i>) • Draw different angles • Area and perimeter of square and rectangle • Polygons – quadrilaterals • Volume N.B: Please make sure you have a geometry set for the test.