



Math Entrance Exam Requirements

Grade level	Requirements
Grade 6	<p><u>Decimals:</u> Students should be able to:</p> <ul style="list-style-type: none">• Adding and subtracting decimals.• Multiply and divide decimals by powers of 10.• Divide decimals by a whole and by a decimal.• Multiply decimals by decimals.• PEMDAS (order of operation) with decimals. <p><u>Fractions:</u> Students should be able to:</p> <ul style="list-style-type: none">• Represent fractions (Proper and improper fractions/mixed numbers)• Adding and subtracting fractions.• Simplify fractions using GCF• Change decimals to fractions and vice versa.• Multiplying and dividing fractions.• Multiplying fractions using simplifying by cross-canceling.• PEMDAS (order of operation) with fractions. <p><u>Ratio and proportionality:</u> Students should be able to:</p> <ul style="list-style-type: none">• Write and simplify ratios.• Find equivalent ratios.• Use cross multiplication to find the missing value in the proportion. <p><u>Geometry:</u> Students should be able to:</p> <ul style="list-style-type: none">• Find the missing angle on a straight line by making a total of 180°.• Find the missing angle in a triangle.• Area of rectangle, triangle, and circle.• Find the length of a segment given the dimensions of its parts.

Statistics:

Calculate the Mean, Median, Mode and Range of a given set of data.

N.B: Please make sure you have a geometry set for the test.