مدرسة القديسة مريم الكاثوليكية الثانوية ــ دبي

ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

ENTRANCE EXAMINATION 2025

MATHEMATICS PORTION – YEAR 8

(NON CALCULATOR)

NUMBERS

- ➢ Decimals – Ordering and all four operations, word problems
- ➢ Squares and Square root
- ➢ Directed Numbers
- ➢ Estimating the answer by rounding
- ➢ Fractions – Equivalent fractions, Addition and subtraction, word problems
- ➢ Order of operations - BODMAS
- ➢ Long Multiplication and long Division
- ➢ HCF and LCM
- ➢ Percentages – To find the percentage of quantities, conversions between fraction, decimal and percentages
- ➢ Ratio and Proportion

ALGEBRA

- ➢ Expanding brackets and Simplifying Expressions
- ➢ Formulae – substituting values
- ➢ Simple Linear Equations
- ➢ Square Numbers and Square roots
- ➢ n^{th} term of an Arithmetic Sequence

GEOMETRY AND MEASURES

- ➢ Perimeter and Area of 2D shapes
- ➢ Surface area and Volume of Cuboids
- ➢ Lines and Angles – Angle properties of parallel lines, triangle and quadrilaterals
- ➢ Reflections
- ➢ Translations

STATISTICS

- ➤ Mean, Mode, Median and range from raw data
- ➤ Probability
- ➤ Pie Charts
- ➤ Comparing data