



JSS INTERNATIONAL SCHOOL, DUBAI

ENTRANCE EXAMINATION PORTIONS FOR MATHEMATICS

GRADES	PORTIONS
Grade 1	Number Sense and Numeration <ul style="list-style-type: none"><li>• Number After</li><li>• Number Before</li><li>• Number Between</li><li>• Write Numbers 1 – 50</li><li>• Addition – Single Digit</li><li>• Subtraction – Single Digit</li><li>• Greater Than, Lesser Than, Equal To</li><li>• Number Names 1 – 20</li></ul>
Grade 2	Number Sense and Place value Addition and Subtraction including regrouping-(upto 2 digits) and simple practical problems. Algebra (eg. $5 + \underline{\quad} = 8$ ) Geometric sense and measurement Fractions
Grade 3	Numerals and concepts Addition and Subtraction including regrouping-(upto 3 digits) and simple word problems. Multiplication – up to 3 digit number by 1 digit number (including regrouping) and simple practical problems. Time Money Shapes Measurement of length
Grade 4	Numbers Addition and Subtraction including regrouping-(upto 5 digits) Multiplication - up to 3 digit number by 2 digit number (including regrouping) and simple practical problems. Division of 2 digit number by 1 digit and simple practical problems. Fractions Measurement (Time) Geometrical Shapes Perimeter Data Handling
	Addition and Subtraction (up to 8 digit number) and simple practical problems.

Grade 5	<p>Multiplication - up to 4 digit number by a two digit number(including regrouping) and Division – up to 4 digit number by 2 digit number and simple practical problems.</p> <p>Operations on large numbers,          Fraction,          Decimal,          Area of square and rectangle</p>
Grade 6	<p>Numbers          Operation on large numbers          Factors and multiples          Integers          Ratios          Profit and Loss          Area and perimeter</p>
Grade 7	<p>Integers          Addition and Subtraction of Algebra          Simple Equations          Factors and multiples          Operations on Decimals          Percentages          Perimeter and area of plane figures          Profit and loss          Simple Interest          Ratio and Proportions.</p>
Grade 8	<p>Fractions          Powers and Roots          Ratio and Proportions          Unitary method          Percentage          Profit and loss          Simple Interest          Algebra          Linear Equations          Properties of triangles</p>
Grade 9	<p>Decimals          Factorization          equations          Quadratic          Areas and          perimeter of Quadrilaterals          Multiplication          and division of polynomials          Lines and Angles          Percentages</p>
Grade 11	<p>Quadratic Equations          Arithmetic Progressions          Circles and Tangents          Probability          Area related to circles(Only shaded region)          Surface Area and Volume          Coordinate Geometry          Heights and Distances</p>