

# Parents' Guide

## Math Skills Every Student Needs

<p><b>Kindergarten</b></p> <ul style="list-style-type: none"><li>*Recognize numbers up to 10</li><li>*Touch count objects</li><li>*Recognize and create patterns</li><li>*Count up to 30</li><li>*Understanding of basic math concepts:<ul style="list-style-type: none"><li>Space (above, below)</li><li>Quantity (medium, few)</li><li>Time (before, beginning)</li></ul></li></ul>	<p><b>Grade One</b></p> <ul style="list-style-type: none"><li>*Recognize numbers up to 20</li><li>*Addition and Subtraction facts to 10</li><li>*Doubles facts to 12 (<math>2+2=4</math> / <math>3+3=6</math>)</li><li>*Count to 100 by 1s, 5s, and 10s</li><li>*Count to 20 by 2s</li><li>*Fact Families:<ul style="list-style-type: none"><li><math>7+3=10</math>   <math>3+7=10</math></li><li><math>10-3=7</math>   <math>10-7=3</math></li></ul></li></ul>
<p><b>Grade Two</b></p> <ul style="list-style-type: none"><li>*Place Value (Ones and Tens)</li><li>*Count on by 2s, 5s, or 10s to 100 forwards and backwards</li><li>*Identify odd and even numbers</li><li>*Compare attributes of shapes (square, rectangle, circle, triangle)</li><li>*Recognize numbers to 100</li></ul>	<p><b>Grade Three</b></p> <ul style="list-style-type: none"><li>*Addition and Subtraction Facts to 20</li><li>*Recognize Coins and Bills up to \$5.00</li><li>*Place Value (Hundreds)</li><li>*Measure using m/cm, kg/g</li><li>*Skip count by 25 (25/50/75/100)</li><li>*Double facts to 20</li><li>*Months and days in order</li><li>*Identify common fractions (<math>1/2</math>, <math>1/4</math>, <math>1/3</math>, <math>3/4</math>)</li></ul>

<p><b>Grade Four</b></p> <ul style="list-style-type: none"> <li>*Identify coins and bills up to \$100.00</li> <li>*Understand how to make change</li> <li>*Strategies for addition and subtraction to 10,000 with regrouping</li> <li>*Place Value (Thousands to Hundredths 0.01)</li> <li>*Tell Time</li> <li>*Multiplication facts up to 10x10</li> </ul>	<p><b>Grade Five</b></p> <ul style="list-style-type: none"> <li>*Multiplication and Division Facts up to 11X11</li> <li>*Place Value 1 Million to Thousandths (1,000,000 to .001)</li> <li>*Compare and Order Fractions with like numerators and different denominators (<math>1/2 &gt; 1/3</math>)</li> <li>*Multiplying Larger Numbers (<math>125 \times 35 = 4375</math>)</li> </ul>
<p><b>Grade Six</b></p> <ul style="list-style-type: none"> <li>*Identify and order positive and negative numbers (+1.-1)</li> <li>*Place Value (millions to thousandths)</li> <li>*Identify Factors (6: 1,2,3,6)</li> <li>*Equivalent Fractions (<math>3/6 = \frac{1}{2}</math>)</li> <li>*Multiplication Facts up to 12 X 12</li> </ul>	<p><b>Grade Seven</b></p> <ul style="list-style-type: none"> <li>*Addition and Subtraction of Positive and Negative Numbers [<math>(+5) - (-4) = 9</math>]</li> <li>*Fractions (Add/Subtract)</li> <li>*Order of Operations (BEDMAS = brackets, exponents, multiply/divide, add/subtract)</li> <li>*Rules of Divisibility</li> <li>*Area, perimeter and volume</li> <li>*Solve equations with a variable (<math>7n + 3 = 38</math>)</li> <li>*Operations with decimals (<math>396.89 \times 4.2 = 1666.938</math>)</li> </ul>

**\*\*Please note: These skills do not cover the entire math curriculum at each grade level, but rather provide parents with a list of skills that can be practiced and reinforced at home to assist students in reaching mastery.**