**Parents’ Guide**

**Math Skills Every Student Needs**

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| **Kindergarten**  **\*Recognize numbers up to 10**  **\*Touch count objects**  **\*Recognize and create patterns**  **\*Count up to 30**  **\*Understanding of basic math concepts:**  **Space (above, below)**  **Quantity (medium, few)**  **Time (before, beginning)** | **Grade One**  **\*Recognize numbers up to 20**  **\*Addition and Subtraction facts to 10**  **\*Doubles facts to 12 (2+2=4 /3+3=6)**  **\*Count to 100 by 1s, 5s, and 10s**  **\*Count to 20 by 2s**  **\*Fact Families:**  **7+3=10 3+7=10**  **10-3=7 10-7=3** |
| **Grade Two**  **\*Place Value (Ones and Tens)**  **\*Count on by 2s, 5s, or 10s to 100**  **forwards and backwards**  **\*Identify odd and even numbers**  **\*Compare attributes of shapes (square, rectangle, circle, triangle)**  **\*Recognize numbers to 100** | **Grade Three**  **\*Addition and Subtraction Facts to 20**  **\*Recognize Coins and Bills up to $5.00**  **\*Place Value (Hundreds)**  **\*Measure using m/cm, kg/g**  **\*Skip count by 25 (25/50/75/100)**  **\*Double facts to 20**  **\*Months and days in order**  **\*Identify common fractions (1/2, 1/4, 1/3, 3/4)** |
| **Grade Four**  **\*Identify coins and bills up to $100.00**  **\*Understand how to make change**  **\*Strategies for addition and subtraction to 10,000 with regrouping**  **\*Place Value (Thousands to Hundredths 0.01)**  **\*Tell Time**  **\*Multiplication facts up to 10x10** | **Grade Five**  **\*Multiplication and Division Facts up to 11X11**  **\*Place Value 1 Million to Thousandths (1,000,000 to .001)**  **\*Compare and Order Fractions with like numerators and different denominators**  **(1/2 > 1/3)**  **\*Multiplying Larger Numbers (125 X 35 = 4375)** |
| **Grade Six**  **\*Identify and order positive and negative numbers (+1.-1)**  **\*Place Value (millions to thousandths)**  **\*Identify Factors (6: 1,2,3,6)**  **\*Equivalent Fractions (3/6 = ½)**  **\*Multiplication Facts up to 12 X 12** | **Grade Seven**  **\*Addition and Subtraction of Positive and Negative Numbers [(+5) – (-4) = 9]**  **\*Fractions (Add/Subtract)**  **\*Order of Operations (BEDMAS = brackets, exponents, multiply/divide, add/subtract)**  **\*Rules of Divisibility**  **\*Area, perimeter and volume**  **\*Solve equations with a variable (7n + 3 = 38)**  **\*Operations with decimals (396.89 x 4.2 = 1666.938)** |

**\*\*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.**