**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.**