

## 2017-2018 Middle School Math

Dear Middle School Families,

Mr. McGee has shared a list of skill sets needed for next year's incoming 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> grade students. Please see below for grade level skill sets:

- **In Coming 6<sup>th</sup> Grade Skill Set**

Mastery of multiplication (through 12) & addition facts through

Add & subtract whole numbers

Add & subtract decimals

Add & subtract fractions and mixed numbers with and without common denominators

Multiply whole numbers

Multiply decimals

Multiply fractions & mixed numbers

Divide whole numbers

Divide whole number into decimal

*More Advanced Skills:*

*Subtract fractions and mixed numbers with renaming (borrowing)*

*Divide decimal into decimal*

*Converting decimals, fractions, and percents*

- **In Coming 7<sup>th</sup> Grade Skill Set**

Mastery of multiplication facts through 12

Order of operations including exponents

Adding & subtracting decimals and fractions/mixed numbers with and without common denominators and renaming (borrowing)

Multiplying & Dividing fractions, mixed numbers and decimals

Comparing & ordering integers

Understanding of Distributive Property & combining like terms

- **In Coming 8<sup>th</sup> Grade Skill Set**

Mastery of math facts

Add, subtract, multiply, and divide rational numbers (fractions, mixed numbers, and decimals, including negative rational numbers)

Writing and solving 1- and 2-step algebraic equations

Solving 1- and 2-step equations using addition, subtraction, multiplication & division properties of equality

Understanding of the term ratio and its application to solving problems (setting up and solving proportions)

Understanding and application of distributive property & simplifying expressions using the distributive property & combining like terms