

# Kuna School District

## 6th Grade Math Curriculum Map

### 1st quarter

IMR I = Introduced M = Mastered R = Reviewed

#### Numeration and Number Sense

* R	Read, write, order, and compare whole numbers through billions, commonly used fractions and decimals through thousandths.
* R	Apply number theory concepts (prime, composite, multiples, factors).
* M	Write Roman numeral equivalent of Arabic numbers 1-2,000 and vice versa.
* M	Define ratio.
* M	Write ratios in a variety.
* M	Understand the concept of ratio using concrete and pictorial models.
* M	Determine if a pair of ratios are equal or not equal using the equivalent fractions method.
* M	Write the missing number in 2 equivalent ratios.
* M	Write a ratio (fraction) as a percent and a percent as a ratio (fraction): denominators of 100.
* M	Solve proportions using the cross product model.
* M	Write a decimal or fraction as a percent and vice versa.
* M	Write a terminating decimal as a fraction or mixed number
* M	Write the decimal equivalent of a fraction and label as repeating or terminating.
* M	Identify the least common denominator for 3 or more fractions: list the multiples or prime factorization.
* M	Write a decimal or mixed decimal for a fraction.
* M	Add, subtract, multiply, and divide whole numbers, decimals, and fractions.
* M	Apply number theory concepts (prime, composite, greatest common factor, lowest common multiple, prime factorization).

#### Estimation and Computation

* R	Instantly recall basic multiplication and division facts up to 10s.
* R	Evaluate numerical expressions that include parentheses.
* R	Add and subtract fractions with like denominators and simplify as necessary, and unlike denominators, regrouping with simplification.
* R	Add and subtract decimals through thousandths.
* M	Evaluate numerical expressions using the order of operations
* M	Multiply a whole number by a fraction.
* M	Multiply mixed numbers.
* M	Multiply a mixed number by a whole number, fraction, or mixed number.
* M	Multiply three factors using fractions, mixed numbers, and whole numbers in any combination, answer in lowest terms.
* M	Divide a fraction by a fraction.
* M	Divide a mixed number by a whole number or a fraction.
* M	Divide a whole number, fraction, or mixed number by a mixed number.
* M	Divide a decimal by a whole number and vice versa.
* M	Divide a whole number (or decimal) by a decimal to the thousandths.
* M	Find a percent of a number.
* I	Use order of operations rules.