**Grade 5**

**Second Trimester Math Goals (Units 5, 6, 7, 11.1, 11.2, 12.1, & 12.2)**

**Secure**

* Identify and use data landmarks. (unit 6)
* Use formulas to find the area of polygons and circles. (unit 11.1)
* Know the properties of geometric solids. (unit 11.1 and 11.2)
* Find and identify factors of numbers. (unit 12.1)
* Find the prime factorizations of numbers. (unit 12.1)

**Developing/Secure**

* Convert between fractions and mixed numbers. (unit 5)
* Find equivalent fractions. (unit 5)
* Convert between fractions, decimals, and percents. (unit 6)
* Understand and apply exponential notation. (unit 7)
* Identify number sentences. Tell whether a number sentence is true or false. (unit 7)
* Understand and apply the use of parentheses in number sentences. (unit 7)
* Order and compare positive and negative numbers. (unit 7)
* Solve ratio and rate number stories. (unit 12.1)

**Developing**

* Order and compare fractions. (unit 5)
* Convert between fractions and percents. (unit 5)
* Draw a circle graph for a set of data. (unit 5)
* Measure pieces of a circle graph; interpret a circle graph. (unit 5)
* Add and subtract fractions with like denominators. (unit 6)
* Add and subtract fractions with unlike denominators. (unit 6)
* Understand how sample size affects results. (unit 6)
* Find common denominators. (unit 6)
* Understand and apply powers of 10. (unit 7)
* Understand and apply order of operations to evaluate expressions and solve number sentences. (unit 7)
* Add and subtract positive and negative numbers. (unit 7)
* Find the greatest common factor of two numbers. (unit 12.1)
* Find the lease common multiple of two numbers. (unit 12.1)

**Beginning/Developing**

* Add fractions with like denominators. (unit 5)
* Construct stem-and-leaf plots. (unit 6)
* Read and interpret stem-and-leaf plots. (unit 6)
* Understand and apply scientific notation. (unit 7)
* Use the Multiplication Counting Principle to find the total number of possible outcomes of a sequence of choices. (unit 12.2)

**Beginning**

* Use tree diagrams to find all possible ways a sequence of choices can be made. (unit 12.2)
* Compute the probability of outcomes when choices are equally likely. (unit 12.2)