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**7th Grade Go Math Pacing Guide**

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| **FIRST QUARTER** |
| **UNIT & Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Rational Numbers** | **4 weeks** | **13 – 20 %****\*\*Major work of the grade** | **Order of operations, operations on fractions and decimals, properties, integers, operations on integers, additive inverse, fraction to decimal, contextual problems involving the four operations** |
| **Algebraic Expressions and Equations** | **5 weeks**  | **29 – 36 %****\*\*Major work of the grade** | **Using the Distributive Property to simplify algebraic expressions. Rewrite expressions to understand all parts of contextual problems** |
| **SECOND QUARTER** |
| **UNIT & Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Multi-step Equations** | **5 weeks** | **29 – 36%****(with Expressions and Equations)****\*\*Major work of the grade** | **Solving multi-step equations with rational numbers. Convert between fractions, decimals and equations in order to solve contextual problems. Solving inequalities, including a negative coefficient and graphing on a number line.** |
| **Ratios and Proportions** | **4 weeks** |  **11 – 18%****\*\*Major work of the grade** | **Computing rates and unit rates with like and unlike units. Determining whether two rations are proportional. Solving for proportions, including percent proportions.** |
| **THIRD QUARTER** |
| **UNIT & Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Geometry** | **4 ½ weeks** | **24 – 31%****(along with statistics and probability)** | **Using scales and scale models to find the actual length of an item. Classifying triangles and quadrilaterals. Understanding parts of a circle and the formula for area of a circle. Know how to solve problems with supplementary, complementary and vertical angles. Solve real world problems involving area, surface area and volume of three dimensional objects.** |
| **Statistics** | **4 ½ weeks** | **24 – 31%****(along with geometry and probability)** | **Understand populations and random samples, and how to use data from those random samples. Identify measurements of central tendency and measures of variation, including upper and lower quartiles, inter quartile range and minimum and maximum.** |
| **FOURTH QUARTER** |
| **UNIT & Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Probability** | **3 weeks** | **24 – 31%****(along with geometry and statistics)** | **Theoretical probability, experimental probability, likely or unlikely, comparison of theoretical and experimental, number of possible outcomes, compound probability, sample space, tree diagrams, organized list, frequencies for compound events** |
| **TNReady Part II Preparation** | **3 weeks**  |  | **Proportional relationships, rational** **numbers, equations and inequalities,** **geometrical figures, sampling, and** **probability** |
| **After TNReady**  | **Remainder of the school year** |  | **8th grade readiness skills (suggestions: equations with variables on both sides, Pythagorean Theorem, Real number system, d=rt)** |