****

**8th Grade Go Math PACING GUIDE**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIRST QUARTER** | | | |
| **UNIT &**  **Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Real Number System** | **2 weeks** | **16-24%** | * **Understand Rational and Irrational numbers.** * **Choose a rational number or an irrational number from a list of numbers.** * **Comparing and Ordering Rational Numbers** |
| **Integer Exponent Rules** | **2 weeks** | **16-24%** | * **Multiply exponents with like bases** * **Divide exponents with like bases** * **Raise a power to a power** |
| **Scientific Notation** | **2 weeks** | **16-24%** | * **Write numbers in Scientific Notation** * **Write numbers from Scientific Notation to Standard Form** * **Multiply/Divide Numbers in Scientific Notation** * **Word Problems** |
| **Solving Equations** | **3 weeks** | **16-24%** | * **Solve 1 and 2 step equations** * **Solve equations with combine like terms/distributive property** * **Solve multi-step equations with variables on both sides** * **Determine the number of solutions that a multi-step equation will have** |

|  |  |  |  |
| --- | --- | --- | --- |
| **SECOND QUARTER** | | | |
| **UNIT &**  **Go Math Lessons** | **PACING** | **% of TNReady** | **TOPICS** |
| **Functions** | **8 weeks** | **16-24%** | * **Interpret a qualitative graph** * **Is a relation a function?** * **Complete and graph a function table** * **Slope from a table, 2 points, a graph, or an equation** * **Graph a linear equation** * **Determine the equation of a line** * **Compare multiple representations of function** * **Linear vs. Non-linear** * **Rewrite an equation in slope intercept form** |
| **Scatter Plots** | **1 week** | **27-35%** | * **Interpret data/line of best fit** * **Linear vs non-linear** * **Is the relationship positive or negative?** * **Is the relationship strong or weak?** * **Are there outliers?** |

|  |  |  |  |
| --- | --- | --- | --- |
| **THIRD QUARTER** | | | |
| **UNIT &**  **Go Math Lesson** | **PACING** | **% of TNReady** | **TOPICS** |
| **Systems of Equations** | **4 weeks** | **16-24%** | * **Number of solutions** * **Determine if an ordered pair is a solution** * **Solve by graphing** * **Solve by substitution** * **Solve by elimination** |
| **Pythagorean Theorem** | **3 weeks** | **27-35%** | * **Determine the measure of a missing leg** * **Determine the measure of the hypotenuse** * **Word problems** * **Distance on a coordinate plane** |
| **Angle Relationships** | **2 weeks** | **27-35%** | * **Supplementary angles/vertical angles/corresponding angles/alternate interior and exterior angles/same side interior angles** |

|  |  |  |  |
| --- | --- | --- | --- |
| **FOURTH QUARTER** | | | |
| **UNIT &**  **Go Math Lesson** | **PACING** | **% of TNReady** | **TOPICS** |
| **Transformations** | **2 weeks** | **27-35%** | * **Translation** * **Reflection** * **Dilation** * **Rotation** |
| **Volume of Curved Figures** | **2 weeks** | **27-35%** | * **Volume of Cylinder** * **Volume of Cone** * **Volume of Sphere** |
| **Compound Probability** | **1 Weeks** | **27-35%** | * **Probability of compound events** * **Sample space from an organized list, tree diagram** |

\* Please see TN Department of Education – 8th Grade Math Blueprint for more details [(website)](https://www.tn.gov/content/dam/tn/education/documents/tnready_blueprints_math_grade_6-8.pdf)