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| **MATH** | **I. LEARNING OUTCOMES** | | | **Instructional Materials:**  CMP3 Textbook  Accentuate the Negative  Stretching and Shrinking  Comparing and Scaling  **DL materials:**  Accommodations will be provided based on individual student-based needs. Materials and classroom accommodations will be created and provided by a DL teacher. |
| **Enduring Understandings**  *After these five weeks, students will understand...* | | **Essential Questions**  *To reveal their understandings, ask students...* |
| * *Multiplication and Division of Rational Numbers* * *Order of Operations* * *Distributive Property* * *Similarity of Figures* * *Scale Factors* * *Similar Triangles and Quadrilaterals* * *Ratios with Similar Parallelograms/Triangles* | | **How do you multiply/divide rational numbers?**  **How does the Order of Operations work? How does the Distributive Property work and when do you apply it?**  **What are similar figures and how do you know they are similar?**  **How can a scale factor help create similar figures?**  **How do similar figures relate to each other?**  **How can I find a scale factor based on the figure?** |
| **II. ASSESSMENT PLAN** | | | |
| **Summative Assessments** | | | **Diagnostic/Pre-Assessments** |
| **Investigation 3 Quiz**  **Accentuate the Negative Unit Test**  **Investigation 1 Quiz (Stretching and Shrinking)**  **Investigation 2 Quiz (Stretching and Shrinking)** | | | **Unit Readiness Pre-Assessment**  **Formative Assessments in daily group work** |
| **Student Learning Goals**  *What standards/skills will students learn?* | | **Student Learning Activities**  *To reach these goals, what will students do?* |  |
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|  |  | 7.EE.B.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities | Begin problems in investigation 3 |  |
|  |  | 7.G.A.2 Draw geometric shapes with given conditions.  7.G.B.5 Use facts about supplementary complementary, vertical and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure. | Complete problems in investigation 3 and begin investigation 4 |  |
|  |  | 7.RP.A.2 Recognize and represent proportional relationships between quantities  7.RP.A.2b Identify the constant of proportionality in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships. | Begin problems in Investigation 1 |  |
|  |  | 7.RP.A.2 Recognize and represent proportional relationships between quantities.  7EE.B.4a Solve word problems leading to equations of the form px + q = r and p(x + q) = r where p, q, and r are specific rational numbers.  7.G.A.2 Draw geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle or no triangle. | Begin problems in Investigation 3 |  |
|  |  | 7.RP.A.3 Use proportional relationships to solve multi step ratios and percent problems.  7.RP.A.2 Recognize and represent proportional relationships between quantities.  7.G.A.1 Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale. | Complete problems in investigation 3 and begin investigation 4 |  |
|  |  | 7.G.A.1 Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale. Quantities in a real world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.  7.EE.B.4 Use variables to represent | Complete investigation 4 and Unit Assessment |  |
|  |  | 7.RP.A.2 Recognize and represent proportional relationships between quantities.  7.RP.A.2c Represent proportional relationships by equations.  7.RP.A.3 Use proportional relationships to solve multistep ratio and percent problems. | Begin problems in Investigation 1 |  |
|  |  | 7.RP.A.3 Use proportional relationships to solve multistep ratio and percent problems.  7.EE.B.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple | Complete problems in investigation 1 and begin problems in investigation 2 |  |