MATH AGENDA April 3 - 7th

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.
7.EE.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. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.
7.EE.B.3 Solve multistep real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.
7.RP.A.2 Recognize and represent proportional relationships between quantities
7.RP.A.2b Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.

DATE	FOCUS QUESTION	IN CLASS WORK (Performance Task)	SUCCESS CRITERIA HOMEWORK
Monday April 3rd	**FOCUS QUESTION** What strategies can you use to find a missing value in a proportion?	• Students will watch a Launch Video 1.4 • Students will work on problem 1.4 A , B and C on page 17.	**HW:** Page 19 problems 19-32 Students will be able to solve $\frac{2.5}{7} = \frac{10}{x}$
Tuesday April 4th	**FOCUS QUESTION** What part of investigation 1 in the Comparing and Scaling book do I need more practice before taking the assessment?	• Students will work all class on a reflection journal. They will also have the opportunity to ask questions to improve their understanding of fractions, decimals, percents, ratios and proportions.	**HW:** Reflection Journal (Investigation 1)
Wednesday April 5th	**STUDY GUIDE** **I can** simplify a ratio. **I can** change a number to a fraction, decimal or percent. **I can** calculate a unit rate. **I can** solve proportions.	**Math Quiz** (Investigation 1)	**HW:** None Students will be able to achieve a 3 or 4 on the assessment.
Thursday April 6th	**FOCUS QUESTION** How can you determine if two ratios are equivalent or find which of the two ratios is more favorable?	• Students will watch a Launch Video 2.1 • Students will work on problem 2.1 A and B on page 42.	**HW:** None **Students will be able to explain which proportions are equivalent?** $\frac{3.5}{5} = \frac{7}{10}$ $\frac{4}{6} = \frac{20}{30}$ $\frac{7}{8} = \frac{15}{17}$
Friday April 7th	**FOCUS QUESTION** Why is it important to learn how to work together as a team?	• Students will participate in a team building activity from W.E.B. (Where Everyone Belongs) **3rd MARKING PERIOD ENDS**	**HW:** None