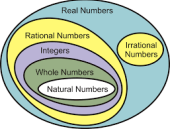
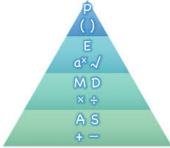
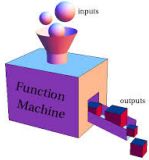
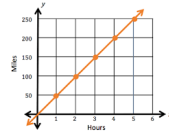
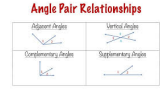
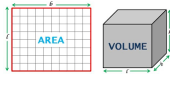
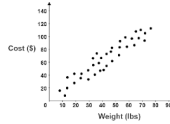


# Curriculum Storyboard

## Advanced Math 7

| Unit 1<br>Real Numbers:<br>Line Up!                                               | Unit 2<br>Rational Numbers:<br>Expressions with<br>Numbers                        | Unit 3<br>Equations:<br>A balancing act!                                          | Unit 4<br>Inequalities:<br>Maintaining<br>Imbalance                               | Unit 5<br>Functions:<br>Numbers in Tandem                                          | Unit 6<br>Linear Equations:<br>Picture That<br>Equation!                            | Unit 7<br>Angles & Polygons:<br>Composing Figures<br>& Pairing Angles               | Unit 8<br>Surface Area &<br>Volume:<br>Capacity &<br>Construction                   | Unit 9<br>Triangles &<br>Transformations:<br>Moving about a<br>coordinate plane!    | Unit 10<br>Probability &<br>Statistics:<br>What's Trending                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| August - September                                                                | September -<br>October                                                            | October                                                                           | October -<br>November                                                             | November -<br>December                                                             | December - January                                                                  | January - February                                                                  | February                                                                            | March                                                                               | March - April                                                                       |
|  |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                        |                                                                                                                                                                                                                  |                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                             |                                                                                                                                                                                              |                                                                                                                                                                                     |                                                                                                                                                                              |                                                                                                                                                                                                    |                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our number line is enhanced with the introduction of irrational numbers. Comparing our new number set to rational numbers completes the real number system. Now, we can sort our numbers into subsets. | Using our knowledge of rational numbers in the form of percentages, we build context in finding the tax, tip, discounts. Using the order of operations, we can simplify difficult expressions to a single value. | Building on solving one step equations from last year, we solve two step and multistep equations applying algebraic reasoning. Writing equations from contextual situations allows us to solve practical problems. | We use our deepening algebraic reasoning to solve one step, two step and multistep inequalities. Graphing our solution provides a picture of all the solutions. Translating context into inequalities, we can solve problems with a range of solutions. | We learn how two sets of numbers can be connected and how those relations can be functions. Analyzing functions shows the connections through a table, graph, or equation. We learn about slope, domain, range and intercepts of functions. | We deepen our understanding of functions through linear equations. Connecting multiple representations such as tables, graphs, and equations, we see patterns and begin to make predictions. | Building on previous learning, we find the area and perimeter of figures that combine circles, triangles, rectangles. We learn about angle pairs and how they relate to each other. | Solving problems to determine how much a figure will hold or how much material is needed to build it, allows us to apply formulas for cones, pyramids, boxes, and cylinders. | Using the Pythagorean Theorem, we learn to find missing sides of right triangles. The coordinate plane helps us to move and reflect figures and to identify the effect on the figures coordinates. | Trends are revealed to us as we examine data represented in scatterplots and boxplots. The trends allow us to make predictions and comparisons to enrich our analysis. We connect probability to identify trends through predictions. |
| 7.NS.1c<br>8.NS.1abc<br>8.NS.2abc                                                                                                                                                                      | 7.PFA.2a<br>8.CE.1ab                                                                                                                                                                                             | 7.PFA.3b<br>7.PFA.2c<br>8.PFA.4                                                                                                                                                                                    | 7.PFA.4acdfg<br>8.PFA.5a - f                                                                                                                                                                                                                            | 8.PFA.2ab,<br>8.PFA.3bdf                                                                                                                                                                                                                    | 7.PFA.1b<br>8.PFA.3a - f                                                                                                                                                                     | 8.MG.1ab<br>8.MG.5abc                                                                                                                                                               | 7.MG.1ab<br>8.MG.2abcd                                                                                                                                                       | 8.MG.4abcd<br>8.MG.3a - g                                                                                                                                                                          | 7.PS.1a<br>8.PS.2a - j<br>8.PS.3a - f                                                                                                                                                                                                 |