|  |  |  |
| --- | --- | --- |
| Unit Start Date  *(May Change)* | Seventh Math  Our books use the word block instead of Chapters or units. | Example problem for mastery |
| Sept 1 | Orientation, 8 Math Practices | Find Master strategy in Poison Game. Explain what tools helped you to solve the problem. |
| Sept. 16 | RNE: Block 1  Rational Numbers and Equations | Convert a cookie recipe’s fraction measurements for banquet size crowd and find cost. Or cake in a mug. |
| Sept. 23 | SA: Shapes and Angles  Block 1 Angle Relationships | Use Algebra to determine missing angles. |
| Oct. 7 | SA: Block 2 Two Dimensional Geometry, Area and Perimeter of Triangle, Parallelogram, Trapezoid, Circle | Make a trundle wheel that measures your height in distance.  Create a Triangular/trapezoidal percent Infographic |
| Oct. 26 | RNE: Block 2  Add and Subtract Negative numbers | Find the temperature that would make negative 10 degrees the weekly average temperature for Juneau, Alaska |
| Nove18 | RNE: Block 3  Multiply and divide Negative numbers | Calculate the total cost for owning a car for 10 years with insurance, gas, price, and oil changes. |
| Dec. 2 | RNE: Block 4:  2-Step Equations, Distributive Property, Solving equations for Variables | Use Graph, Algebra, and functions to determine When someone should buy a season pass at Great Divide Ski Area |
| Jan 6 | PP: Proportions and Probability Block 1, 5  Ratios and Direct Variation | Convert your sprinting speed for 60 feet to Miles per hours |
| Feb 3 | PP: Block 2  Similarities and Aspect Ratio | Use geometric similarity and a mirror to find the height of a flagpole, tree, school or other tall object. |
| Feb 24 | PP: Block 3  Percent | Find the fastest method to calculate the cost of item with %-off coupon and resort tax. |
| Mar9 | PP: Block 4  Probabilities | Determine which combination lock is the safest. Calculate the trout population with Random sampling. |
| Apr 6 | SA: Block 3 Volume and Surface Area of Prisms and Pyramids | Make a cylindrical can with the same volume and height of a box drink. |
| Apr 27 | Mouse Trap Car Project | Use all Skills learned this year to design the fastest mousetrap car. |
| TBD | 8th Grade Exploratory Math | TBD |