

## Grade 7 Math *Culminating Activity containing Concept for all units*

### Targeted Goals from Stage 1: Desired Results

**Content Knowledge:** Review: Solving Proportions, Percent Application, Rational Numbers, Solving Equations, 2D and 3D Geometry, Probability and Statistics

**Vocabulary:** proportion, proportional relationship, tax, tip, discount (mark-down), mark-up, total price, sale price, simple interest, numerator, denominator, reciprocal, simplify, place value, rounding, rational, irrational, probability, theoretical probability, experimental probability, certain, likely, unlikely, impossible, tree diagram, frequency table, compound event, mean, median, mode, range, box and whiskers, outliers, interquartile range, central tendency, variability, integers, distributive property, combining like terms, coefficient, term, constant, vertical angles, complementary, supplementary, adjacent

#### Skills:

1. Calculate tax, tip, discount, total price, sale price, mark-up and simple interest
2. Compute rational numbers
3. Find the probability and total number of outcomes
4. Find the mean, median, mode, range, outliers, quartiles, interquartile range
5. Interpret and Create a box and whisker plot
6. Use your knowledge of integers, rational numbers, distributive property and combining like terms to solve equations
7. Name an angle, find the complement/supplement of a given angle, determine if two angles are complements or supplements and write a simple equation for an unknown angle in a figure

#### Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Culminating Activity: Review of Key Concepts	Millionaire Template (Teachers should make a copy and also tell kids that they need to	Millionaire Game Due Thursday

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Live Meet to discuss Millionaire and Summer Math</p> <p>To Do: -Complete Millionaire Game *Can be on your own or with a partner</p>	<p>make a copy before they begin typing in the template)</p> <p>Create your own version of Who Wants to be a Millionaire. Use the content knowledge, vocabulary and skills listed above to create your own questions.</p>	
<p>Tuesday:</p> <p>End of the Year Survey</p> <p>To Do: -Complete Survey -Continue Working on Millionaire Game</p>	<p>Survey</p> <p>Millionaire Template</p>	<p>Submit End of the Year Survey</p> <p>Millionaire Game Due Thursday</p>
<p>Wednesday:</p> <p>Review Work for Summer</p> <p>To Do: -Check out Links for Summer Review -Continue Working on Millionaire Game</p>	<p>Millionaire Template</p> <p>Links for Summer Review Summer Review Packet</p> <p>Link to review materials for 7th grade, Middle School Grades, Pre-Algebra, Algebra</p> <p>Khan Academy 7th Grade Review</p> <p>Online Summer Math Programs</p>	<p>Millionaire Game Due Thursday</p>
<p>Thursday:</p> <p>To Do: Submit Millionaire Game</p>	<p>Millionaire Template</p>	<p>Millionaire Game Due Thursday</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Friday:  Happy Summer - Enjoy your SUMMER VACATION!!!!!!!!!!!!!!!!!!!!		

**Week criteria for success** (attach student checklists or rubrics):

- 1) I will use my knowledge of key concepts throughout the year to design a Millionaire Game.
- 2) I will complete and submit the end of year survey
- 3) I will review the links for summer review

**Supportive resources and tutorials for the week** (plans for re-teaching):

- 1) I can work on the project with a peer.
- 2) I can review past modules for support.
- 3) I can attend the live session on Monday.
- 4) I can ask my teacher questions.