MVMMS Grade 8 – Math 2017 Summer Assignment

Melrose Veterans Memorial Middle School

It is important for all students to review math concepts and processes during the summer. Intentional practice of math skills will help students reach mastery of content and increase their ability to use facts and operations easily and accurately. Students can use this opportunity to strengthen or deepen their content knowledge and ensure that they have the prerequisite skills to be successful in their future math classes. Time spent working on mastery, reinforcement, and enrichment will greatly benefit all students.

Students should do their work on a separate sheet of paper when needed. IXL provides explanations for all problems. If students struggle with a topic and need support, they should read through the explanations. Students can also go to www.khanacademy.com or www.learnzillion.com. The criteria for these IXL assignments is that in order to get full credit, students must spend at least 30 minutes and achieve at least a 70 smartscore OR get a Smart Score of 90 or higher, whichever comes first. Students will print out a report from IXL once they have completed the assignment and submit it to their 8th grade teacher in September.

Directions to print out IXL report:
- ➢ Log in to IXL at https://www.ixl.com/signin/melroseps (username is first initial last name)
- ➢ Click on Analytics
- ➢ Click on Usage
- ➢ Click on Skills Practices
- ➢ Set Date range- Begin: 6/22/17   End: 9/8/17
- ➢ Set to Grade 8
- ➢ Click Update Report
- ➢ Click on the printer icon in the top right hand corner
- ➢ Open PDF document
- ➢ Print!
- ➢ Turn in copy to the 8th grade teacher!!

For additional fun and basic skill review, visit www.arcademics.com. Free games can be found at the bottom of the home page.

	Skill	Track progress (Check the column that applies.)	
	8th grade IXL topics	**Smart Score of 90+**	**30+ minutes and achieving at least a smart score of 70**
1	B.3 Absolute value & opposite integers		
2	B.4 Compare & order integers		
3	C.3 Add and subtract integers		
4	C.6 Integer multiplication and division rules		
5	D.5 Identify rational & irrational numbers		
6	D.4 Convert between decimals and fractions or mixed numbers		
7	D.7 Compare rational numbers		
8	E.9 Evaluate numerical expressions involving rational numbers		
9	F.1 Understanding exponents		
10	F.2 Evaluate exponents		
11	H.5 Unit rates		
12	N.1 Coordinate plane review		
13	N.2 Quadrants and axes		
14	V.9 Identify terms and coefficients		
15	V.12 Multiply Using the Distributive Property		
16	W.1 Which x satisfies the equation?		
17	W.2 Write an equation from words		
18	W.6 Solve 1 step equations		
19	W.7 Solve 2 step equations		
20	Z.18 Complete a table from a function graph		

Algebra 1 Students should complete everything above, plus the following IXL skills:

	Skill	Track progress	
21	Y.2 Find the slope from 2 points		
22	Y.7 Write a linear equation from a slope and y-intercept		
23	Y.8 Write a linear equation from a graph		
4	Z.10 Write a linear function from a table		

Note: Algebra students also have a packet to complete.