Dear Incoming 8th Grade Students and Parents,

Welcome to 8th grade! To prepare your child for Pre-Algebra, a summer work packet has been created. The purpose is to reinforce the skills they learned in seventh grade math and to fine tune any areas that they may have struggled with. All problems will be completed in the ***seventh grade section of IXL***. IXL is an excellent tool and we use it daily in class. It provides immediate feedback and worked solutions when a problem is answered incorrectly. The problems are also tiered so as they master the easier problems, they move on to more difficult ones. The students are very familiar with IXL.

Students are required to get a minimum of 10 problems correct in each section. Once they have gotten 10 correct, they may move onto the next section. I highly recommend that your child has a paper and pencil when completing these problems. It will be difficult to complete many of them without paper and pencil. This helps them think about the process of each problem and allows them to look back and check for errors if needed. A calculator is not allowed to complete summer work. In order to excel in math, one must practice and keep calculation skills sharp. If your child struggles, encourage them to search for videos on the topic, look back at notes from seventh grade, or email me. As they move into eighth grade we want to encourage independence and problem solving skills. It is very important that your child is able to demonstrate independent understanding of the skills.

When we return in September we will take one day to answer any questions that may remain and review. The following day there will be a quiz which will consist of questions taken directly from IXL; similar, if not identical to the problems your child may have seen over the summer. The quiz will be graded and count towards their first marking period grade.

I am looking forward to a great school year! Have a great summer!

Mrs. Little

Pre-Algebra Teacher

Little Silver School District

mlittle@littlsilverschools.org

Incoming Pre-Algebra Summer Work:

1. Log into IXL.com/signin/littlesilver.
   Your username is your graduation year, last name, first initial: **example:** 19littlem
   Your password is the last three numbers of your student ID: **example:** 123
   If you are new to the district you must contact the school to be added to the IXL roster.
2. Below is a list of the topics you need to practice over the summer with recommended dates to help you pace yourself. Sometimes IXL updates and changes the topic numbers. If the topic does not match the number given, complete the topic listed! You need to keep track of the number of problems you answer correctly. IXL date and time stamps all of the work that is completed and I will be checking in over the summer. Even if your child completed problems in these topics during their seventh grade year they still need to get 10 problems correct over the summer.
3. If you are getting the problems wrong, read the worked out solution. IXL does a wonderful job at providing this feedback. If you are still struggling try searching the topic on khanacademy.org or email me at mlittle@littlesilverschools.org for assistance.
4. I will be quizzing you in September on these topics so be sure that you can complete these problems independently. Too much assistance will not help you in the long run.

Code	To be completed by August 1st	To be completed by September 1st	Code
BTT	BTT Integer inequalities with absolute values	ZTC Understanding Ratios	ZTC
B8X	B8X Add and subtract integers using counters	KCM Scale Drawings: scale factor word problems	KCM
FNS	FNS Add and subtract integers	JAE Compare percents to fractions and decimals	JAE
P6A	P6A Complete addition and subtraction equations with integers	EXE Percents of numbers: Word Problems	EXE
5R8	5R8 Integer multiplication and division rules	67F Solve percent equations	67F
R8D	R8D Multiply and divide integers	JS6 Solve percent equations: word problems	JS6
K94	K94 Complete Multiplication and division equations with integers	BL7 Percent of change	BL7
7YN	7YN Evaluate numerical expressions involving integers	54S Percent of change: word problems	54S
NGL	NGL Add and subtract fractions	XMD Write variable expressions: word problems	XMD
PDK	PDK Multiply fractions	VSW Solve equations involving like terms	VSW
X7A	X7A Divide fractions	66R Solve Equations: Complete the Solution	66R