

Name: _____

Summer work for students entering
8th Grade Pre-Algebra

Summer Work Directions:

The SIS Math department welcomes you to Pre-Algebra for the 2020-2021 school year. We hope that you enjoy a restful, safe summer and are able to spend much needed time with family and friends. We also hope that you set aside some time to practice your math skills so that you return to school well prepared for your math course at Shelton Intermediate School. Below is a list of topics with the IXL strand link that you need to complete for Pre-Algebra.

Important notes:

- 1) You **MUST** sign in with your school log-in.
- 2) You must work on each skill to a score of 80 and complete at least 10 questions.
- 3) If you have previously worked on that skill and already reached a score of 80; you must continue practicing for at least 15 minutes to receive credit.
- 4) The work is not mandatory, but highly recommended and will be counted as an optional assessment in your math class next year.

Good luck and remember the goal of this summer work is to keep your math brain working.

Incentives - Students have the opportunity to earn tickets to win a TI-84 Plus Graphing Calculator by completing **more than** 15 total IXL strands from the packet. For each additional 20 minutes spent, you will receive one raffle ticket. The more you practice the greater your chances are of winning!

Required IXL List - Complete **ALL 12 IXL strands** from the required list. All IXL strands can be found under **Grade 8**.

<u>Skill</u>	<u>Date</u>	<u>SmartScore</u>	<u>Time Spent</u>
Z.4 Rate of change: tables			
Z.5 Rate of change: graphs			
H.5 Unit rate			
C.8 Evaluate numerical expressions involving integers			
V.13 Multiply using the distributive property			
V.14 Write equivalent expressions using properties			
V.16 Add and subtract linear expressions			
W.2 Write as an equation			
W.7 Solve one-step equations			
W.6 Identify equivalent equations			
W.1 Which x satisfies the equation			
Y.1 Find slope from a graph			

Recommended IXL List - Complete **ANY 3 IXL strands** from the recommended list. All IXL strands can be found under **Grade 8**.

Skill	Date	SmartScore	Time Spent
C.3 Add and subtract integers			
C.7 Multiply and divide integers			
E.2 Add and subtract rational numbers			
E.5 Multiply and divide rational numbers			
O.13 Identify complementary, supplementary, vertical, adjacent, and congruent angles			
O.14 Find measures of complementary, supplementary, vertical, and adjacent angles			
N.1 Coordinate Plane Review			
N.2 Quadrants and axes			
T.5 Area and circumference of circles			
T.6 Circles: word problems			
T.8 Volume of cubes, prisms, and pyramids			
EE.1 Probability of simple events			
EE.4 Make predictions			
EE.7 Identify independent and dependent events			