

Algebra I: Summer Learning Packet

We want to welcome you to algebra I for the 2018-2019 school year. As you enjoy some time off this summer, we also want to ensure you are exercising the math portion of your brain! Below you will find a list of topics that you must review prior to the start of the new school year. The topics are divided by weeks to help you manage your time and workload. However, if you are in need to change the dates of any of the topics you have the flexibility to complete the work in your own timeframe.

Sincerely, The Algebra I math team

Directions:

Complete the following IXL sets by logging into your IXL account. Please be sure to login so that your teacher can see the completed work. You must get an 80% and complete at least 10 questions. If you do not get an 80% please, continue to work on problems until you reach the goal.

All topics are from Algebra I on IXL.com

Week #1: June 25th – July 1st	Completed?
A.2 Absolute value and opposites	
A.6 Square roots	
Week #2 July 2nd – July 8th	
B.4 Add and subtract rational numbers	
G.1 Coordinate plane review	
Week #3 July 9th - July 15th	
J.2 Write and solve equations that represent diagrams	
J.4 Solve two-step linear equations	
Week #4 July 16th – July 22nd	
J.5 Solve advanced linear equations	
J.10 Solve linear equations: word problems	
Week #5 July 23rd – July 29th	
K.1 Graph inequalities	
K.5 Solve one-step linear inequalities: multiplication and division	
Week #6 July 30th – August 5th	
K.7 Graph solutions to one-step linear inequalities	
S.2 Find the slope of a graph	
Week #7 August 6th – August 12th	
S.3 Find the slope from two points	
S.5 Slope-intercept form: find the slope and y-intercept	
Week #8 August 13th – August 19th	
DD.1 Complete a function table: absolute value functions	
S.19 Graph a horizontal or vertical line	
Week #9 August 20th – August 26th	
U.1 Is (x, y) a solution to the system of equations?	
U.2 Solve a system of equations by graphing	
Week #10 August 27th – September 3rd	
U.8 Solve a system of equations using substitution	
KK.2 Mean, median, mode, and range	