Sayreville Public Schools
Department of Mathematics and STEM Programs
Sayreville Board of Education
Sayreville, New Jersey

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Grade 6 Advanced Honors Program Summer Assignment

Congratulations on being accepted to Sayreville Public School's Advanced Honors Program in Mathematics. Your summer assignment is on IXL.com and is listed below.

6th Grade IXL Topics

Number	IXL	Topic
1	D2	Evaluate exponents
2	E8	Greatest common factor
3	E10	Least common multiple
4	I10, I12	Convert decimals to fractions. Convert between decimals and mixed numbers
5	J7	Add and subtract mixed numbers: word problems
6	K13	Multiply mixed numbers
7	L9	Divide fractions and mixed numbers
8	M7	Compare integers
9	O7	Add, subtract, multiply and divide two decimals: word problems
10	O10	Add, subtract, multiply and divide two fractions: word problems
11	P5	Put rational numbers in order
12	Q2	Multistep Word Problems
13	S4	Convert between percents, fractions, and decimals
14	S12	Percent of numbers: word problems.
15	S14	Find what percent one number is of another
16	R7	Ratio Tables
17	R13	Compare Ratios: Word Problems
18	T3	Convert and compare customary units
19	V1	Which is the better coupon?
20	X7	Distance between two points
21	Y15	Factor numerical expressions using the distributive property
22	Z11	Solve one-step equations addition and subtraction with decimals and fractions
23	BB8	Complete a table for a two-variable relationship
24	BB14	Interpret a graph: word problems
25	FF1	Perimeter
26	FF11	Area of compound figures
27	EE3	Nets of 3-dimensional figures
28	FF18	Volumes of cubes and rectangular prisms
29	GG3	Interpret line plots
30	HH3	Interpret charts and graphs to find the mean, median, mode, and range

Students can choose **25 – 30 topics** from the given list of 30 topics and then complete each topic with **a minimum Smart Score of 80** no later than August 11, 2023. Failure to complete these tasks may result **in being removed f**rom the Advanced Honors Mathematics Class in Grade 6.