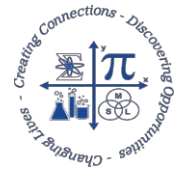




Sayreville Public Schools
Department of Mathematics and STEM Programs
Sayreville Board of Education
Sayreville, New Jersey



Mala Maharana, Supervisor
Mala.Maharana@sayrevillek12.net

Grade 6 Advanced Honors Program Summer Assignment

Dear Parents and Guardians,

We are excited to again present summer activities that the math teachers at Sayreville Middle School have created. Enclosed are math activities designed to help your son or daughter practice the skills which they have already learned and are critical to success in Pre-Algebra 6. As you may be aware, studies have shown that students who do not practice or review during the summer months the material they have already mastered lose some of that mastery. Unfortunately, this then requires the next teacher to spend valuable teaching time reviewing. While certainly not the final answer, this packet of activities is designed to help your son or daughter retain his or her math skills and knowledge.

Like you, we want your child to enjoy a wonderful summer. That is why we have designed activities so that 20 to 30 minutes of work per week should be all that is required. We urge you to encourage your child to take this task seriously and complete it successfully. Together we can make a difference in your child's future. Now is the time to build on the foundation to help your child succeed on future standardized exams such as the NJSLA, and even more importantly, the SAT.

The activities are web-based through a program called IXL. Each activity will provide immediate feedback and a score. This assignment is mandatory.

Thank you for your cooperation.

Sincerely,

Mala Maharana

(mala.maharana@sayrevillek12.net)

Supervisor of Mathematics, Business and Computer Science

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

6th Grade IXL Topics

Number	IXL	Topic
1	D2	Evaluate exponents
2	E12	GCF & LCM: word problems
3	M9	Integer inequalities with absolute values
4	O5	Add, subtract, multiply, or divide two decimals: word problems
5	O8	Add, subtract, multiply, or divide two fractions: word problems
6	P4	Compare rational numbers
7	Q2	Multi-step word problems
8	Q3	Multi-step word problems: identify reasonable answers
9	R15	Ratios and rates: word problems
10	S4	Convert between percents, fractions and decimals
11	S11	Percent of numbers: word problems.
12	T3	Convert and compare customary units
13	X5	Distance between two points
14	Y5	Evaluate multi-variable expressions
15	Z7	Solve one-step equations with whole numbers
16	AA1	Solutions to inequalities
17	AA2	Graph inequalities on number lines
18	BB8	Complete a table for a two-variable relationship
19	FF1	Perimeter
20	FF6	Area of triangles
21	FF4	Area of parallelograms
22	FF18	Volume of cubes and rectangular prisms
23	GG3	Interpret line plots
24	GG14	Interpret histograms
25	HH3	Interpret charts and graphs to find mean, median, mode, and range

****Students should choose 20 – 25 topics from the given list of 25 topics and then complete each topic with a minimum Smart Score of 80, no later than July 31, 2021. Failure to complete these tasks may result in being removed from the Advanced Honors Mathematics Class in Grade 6.**