

6th Grade (soon to be 7th Grade)
Math Summer Assignments on IXL - 2026

- **H.2** add and subtract decimals: word problems
- **I.3** multiply decimals
- **I.5** divide decimals by the whole number
- **L.15** multiply mixed numbers: word problems
- **O.4** understanding opposite integers
- **O.5** understanding absolute value
- **O.9** integers and equalities with absolute value
- **S.8** write an equivalent ratio
- **S.11** unit rate
- **S.18** ratios and rates: word problems
- **S.20** solve the proportion
- **F.10** GCF/LCM word problems
- **G.7** convert between decimals and fractions
- **U.8** convert between percents, fractions, and decimals: word problems
- **D.2** evaluate exponents with whole number bases
- **Z.5** multiplying using the distributive property
- **Y.5** evaluate multi-variable expressions
- **AA.9** solve one-step multiplication and division equations with whole numbers
- **GG.11** area of compound figures with triangles
- **HH.1** volume of cubes and rectangular prisms
- **HH.4** surface area of cubes and rectangular prisms
- **JJ.2** calculate mean, median, range, and mode(# that appears most often)
- **JJ.7** calculate quartiles and interquartile range
- **II.21** box plots
- **BB.5** evaluate (solve) one-step inequalities
- **N.1** add, subtract, multiply or divide two fractions
- **R.9** area and perimeter of squares and rectangles on the coordinate plane
- **II. 13** interpret histograms

Dear Middle School Parents and Students,

On the other side of this paper you will find your summer math work. All work will be done on www.ixl.com/signin/paterson or on the IXL app (that can be downloaded for free). The students are all familiar with IXL, as we have been using it all year. They all have a username and password that they should know (don't forget to add "@paterson" to the end of your username now). If you forget your login information please email me. Your summer work was designed with the intention that you should be going onto IXL at least 3 times a week for the 10 weeks of summer. If you do this, and do at least one topic each time, you will have no trouble finishing the work. This is meant to keep your brain working throughout the summer and to help you remember all that you have learned this year in Math. You need to earn 85-90% (proficient) in each of the topics. Even if you have some of these topics completed from the school year, please do them again. We will be keeping track of your work throughout the summer. If IXL changes any of the numbers over the summer, follow what the topic is called. Your grade for the summer work will be based on the amount of work you complete. If you complete all the assigned topics to 85-90%, then you will receive 100/A+. If you do not complete all the assignments to 85-90% your grade will be lowered accordingly. My email address is below in case you run into any problems. I will be monitoring your progress throughout the summer. Please don't leave the work to the last minute, as it will be very hard to complete it all, and it defeats the purpose of keeping your brain active. Have a great summer!

Sincerely,

Ms. Kaye (mkaye@svmsnj.org)