

**4th Grade (soon to be 5th Grade) Advanced Math**  
**Summer Assignments on IXL 2026**

- ☐ **A.5** - convert between standard and expanded form
- ☐ **A.3** - the value of a digit
- ☐ **A.2** - place value names
- ☐ **A.11** - place value review
- ☐ **G.9** - prime and composite
- ☐ **C.1** - rounding: up to 100,000 place
- ☐ **B.1** - compare numbers up to one million
- ☐ **E.3** - Subtract two multi-digit numbers
- ☐ **G.7** - choose multiples of a given number up to 12
- ☐ **G.4** - Identify factors
- ☐ **I.10** - multiply two-digit by two-digit numbers
- ☐ **K.9** - divide two-digit by one-digit numbers
- ☐ **L.2** - divide two digits by 1 digit: interpret the remainder
- ☐ **K.14** - divide larger numbers by 1 digit number
- ☐ **N.7** - multi-step word problems
- ☐ **P.7** - identify equivalent fractions
- ☐ **R.8** - compare fractions
- ☐ **R.14** - order fractions
- ☐ **Q.4** - convert improper fractions to mixed numbers
- ☐ **T.3** - add and subtract fractions with like denominators
- ☐ **T.12** - add and subtract mixed numbers with like denominators
- ☐ **V.5** - multiply fractions by whole numbers
- ☐ **Y.2** - place value in decimal numbers
- ☐ **JJ.1** - points, Lines, line segments, rays, and angles
- ☐ **AA.5** - find the change, price, or amount paid
- ☐ **BB.2** - interpret line plots
- ☐ **D.4** - add two multi-digit number word problems
- ☐ **H.17** - multiply one-digit numbers by 3 or 4 digit numbers: word problems
- ☐ **S.11** - add and subtract fractions with like denominators using number lines
- ☐ **II.10** - area and perimeter word problems
- ☐ **LL.3** - classify triangles
- ☐ **MM.8** - pick all the names for a quadrilateral

Dear 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](http://www.ixl.com/signin/paterson) or on the IXL app (that can be downloaded for free). The students are all familiar with IXL. 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 90% (proficient) in each of the topics. I will be keeping track of your work throughout the summer. Your grade for the summer work will be based on the amount of work you complete. If you complete all of the assigned topics to 90% then you will receive 100/A+. Any assignments not completed to 90% or not finished at all will affect your grade accordingly. If the letters/numbers don't match what's on the IXL program, follow the concepts given on your sheet. 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](mailto:mkaye@svmsnj.org))