

Entering 7<sup>th</sup> Grade:

IXL Advanced Mathematics Summer Assignment

Due: Friday, August 17

**What is IXL:**

IXL is an online practice program. The program will allow us to individualize the learning experience for students so that they can work at their own pace to reinforce the essential content necessary for the upcoming school year.

**How to sign in:**

Your child can sign in from home by visiting [www.ixl.com](http://www.ixl.com) on any computer and entering the username and password provided. There are even iPad and Android apps to allow your child to practice on the go.

**Assignments:**

The following are the assignments to be completed with a minimum **smart score of 80**. The Smart Score takes into account not only the number of questions a student has answered correctly and incorrectly, but also the difficulty of the problems and the student's ability to answer correctly with consistency.

Assignments can be found under the learning tab for 6<sup>th</sup> grade.

1. Evaluate exponents (6-D.2)
2. Write variable expressions (6-Y.1)
3. Evaluate numerical expressions involving whole numbers (6-O.3)
4. Evaluate multi-variable expressions (6-Y.4)
5. Complete a table for a two-variable relationship (6-BB.5)
6. Properties of addition (6-Y.8)
7. Properties of multiplication (6-Y.9)
8. Multiply using the distributive property (6-Y.10)
9. Write equivalent expressions using properties (6-Y.13)
10. Add and subtract like terms (6-Y.14)
11. Solve one-step equations with whole numbers (6-Z.6)
12. Solve one-step inequalities (6-AA.4)
13. Graph inequalities on number lines (6-AA.2)
14. Write inequalities from number lines (6-AA.3)
15. Greatest common factor (6-E.7)
16. Least common multiple (6-E.8)