

Incoming 8<sup>th</sup> Grade:

IXL Advanced Mathematics Summer Assignment

Due: Friday, August 17<sup>th</sup>

**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 7<sup>th</sup> grade.

1. Properties of addition and multiplication (7-R.9)
2. Multiply using the distributive property (7-R.10)
3. Add and subtract like terms (7-R.13)
4. Add, subtract, and multiply linear expressions (7-R.14)
5. Solve equations using properties (7-R.11)
6. Solve two-step equations (7-S.6)
7. Solve two-step inequalities (7-T.6)
8. Divide fractions and mixed numbers: word problems (7-G.14)
9. Identify equivalent ratios (7-J.2)
10. Solve percent equations (7-L.7)
11. Absolute value and opposite integers (7-B.4)
12. Integer inequalities with absolute values (7-B.6)
13. Integer addition and subtraction rules (7-C.1)
14. Add and subtract integers (7-C.3)