

Incoming 7th Grade:

IXL Advanced Mathematics Summer Assignment

Due: Friday, August 16

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 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 6th grade.

1. Write multiplication expressions using exponents (6-D.1)
2. Evaluate exponents (6-D.2)
3. Write variable expressions (6-Y.1)
4. Evaluate multi-variable expressions (6-Y.4)
5. Evaluate variable expressions with decimals, fractions, and mixed numbers (6-Y.5)
6. Multiply using the distributive property (6-Y.10)
7. Factor using the distributive property (6-Y.11)
8. Solve one-step equations with whole numbers (6-Z.6)
9. Solve one-step equations with decimals, fractions, and mixed numbers (6-Z.7)
10. Graph inequalities on number lines (6-AA.2)
11. Write inequalities from number lines (6-AA.3)
12. Graph a two-variable equation (6-BB.8)
13. Area of parallelograms and trapezoids (6-FF.4)
14. Identify equivalent ratios (6-R.3)
15. Calculate mean, median, mode, and range (6-HH.1)
16. GCF and LCM: word problems (6-E.9)