All outgoing 6th-grade students must do summer work on the web-based program IXL Math. IXL Math is an engaging and individualized system. This program helps move students through concepts and skills more explicitly and reduces the onus on the parents to "teach" the material. Students should be able to do this on their own. The program offers explanations when students miss something. IXL also gives teachers reports showing which skills have been practiced, enabling a smoother and more targeted start to the year. Look for the title of the skill; many times, the numbers/ sections change in the summer.

Logging in: When students log in, they will click on SEVENTH GRADE. The skill sets to be completed are listed below and will be posted on the school website. Students should complete each skill set listed on the sheet to **90%** mastery unless it says otherwise and date the sheet as they work.

See Google Classroom for notes to help with the topics below. Please feel free to email Miss Bain if you have any questions as you're working or struggling with any of the topics.

## Skills Required:

| Code | Topic | Skill (numbers may change) | Date | Score |
|---|---|---|---|---|
| CQV | E. Number theory | 4. GCF and LCM: word problems | | |
| JVR | H. Rational numbers | 9. Compare rational numbers | | |
| ZDS | J. Exponents | 2. Evaluate powers | | |
| NWM | L. Ratios, rates, and proportions | 5. Unit rates | | |
| 7TW | M. Coordinate plane | 2. Quadrants and axes | | (to 75) |
| RUZ | M. Coordinate plane | 4. Distance between two points | | |
| 2HW | O. Percents | 2. Convert between percents, fractions, and decimals | | |
| XMD | R. Expressions | 3. Write variable expressions: word problems | | |
| UG6 | R. Expressions | 4. Evaluate linear expressions | | |
| DRB | S. Equivalent expressions | 12. Identify equivalent linear expressions I | | (to 80) |
| WKM | T. One-variable equations | 6. Solve one-step equations | | |
| VLU | U. One-variable inequalities | 2. Graph inequalities on number lines | | |
| QWH | U. One-variable inequalities | 4. Solve one-step inequalities | | |
| LK9 | X. Two-variable equations | 1.Identify independent and dependent variables | | |
| TF8 | EE. Transformations | 5. Reflections over the x- and y-axes: find the coordinates | | (to 50) |
| SKN | GG. Data and graphs | 13. Box plots | | |