



Immaculate Conception School

Math IXL Assignment Summer 2024

Directions for Rising 7th Grade – Algebra placement in 2024-2025

1. Be sure to log-on to <https://www.ixl.com/> using the username and password provided to you by ICS.
2. Complete the skills listed below at the **grade level you just completed** to review over the summer. Having completed Course 2 during the year, you will review **seventh grade** skills.
3. Please complete this checklist of required skills indicating the percentage achieved and the date each skill is completed. Students are asked to achieve a **minimum of 85% mastery** for each assigned skill. If an assigned skill was completed during the school year to 85%, students must continue to work on the skill for 10 minutes or to 100% mastery.
4. Students will also be required to work for a **minimum of 3 hours** on their Diagnostic Action Plan. **You can find the Diagnostic Arena & Study Plans on the Dashboard.** Students must work for a minimum of **1 hour** in the **Diagnostic arena** before they can complete the required **2 hours** working on **suggested skills** in their personalized **action plan**. The IXL Real-Time Diagnostic shows you what you know and what you're ready to learn next.
5. In order to receive credit, summer work must occur on or after June 10, 2024 and be completed by August 26, 2024. This allows over two months to complete the requirements. Time is best accrued over several practice periods in order to maintain skills.
6. Parents should sign the bottom of this form to indicate that your child has completed his/her summer work. IXL summer work is worth 40 points if each of the assigned 10 skills and 3 hours of Diagnostic work is completed according to the criteria in #5. Points will be deducted if all skills are not completed, or mastery and/or the 3 hours Diagnostic practice is not achieved.
7. You are welcome to work on additional skills if you would like, however, these will not be graded. On the last page of this document, there is a list of eighth grade skills that may be helpful to best prepare you for Algebra since you are skipping Course 3.
8. **Please return this form to your Math teacher on the first day of school.**
9. If you have any questions regarding math summer work, please contact metzbower@theimmaculate.org

******Please be aware the skill numbers are sometimes adjusted by IXL.com over the summer. If the letter/number combination on the IXL website does not align to the list of assigned skills, please work on the skill that matches the description. ******

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Student Name: _____

IXL Skills	Percentage	Date Completed
B.25 Evaluate numerical expression involving integers		
G.16 Add, subtract, multiply, and divide fractions and mixed numbers: word problems		
L.12 Solve proportions: word problems		
I.11 Multi-step word problems with positive rational numbers		
R.5 Evaluate multi-variable expressions		
R.8 Identify terms and coefficients		
S.4 Multiply using the distributive property: area models		
T.11 Solve two-step equations: word problems		
BB.12 Area of compound figures with triangles		
CC.5 Volume of cubes and rectangular prisms: word problems		

Diagnostic Practice (from Diagnostic Arena—Math ONLY) *must total to 1 hour of work	Amount of Practice Time	Date Completed

Suggested Skills Practice (from Study Plan) *must total to 2 hours of practice	Amount of Practice Time	Percentage	Date Completed

Parent Signature: _____

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Below are 8th grade IXL skills that your student **MAY** want to practice this summer. Since they have skipped the Course 3 curriculum, they did not learn all of these skills below; however, they can use the “learn by example/video” feature or read answer reasonings to self-teach and best prepare for Algebra.

IXL Skills
A.9 Evaluate numerical expressions involving integers
B.13 Evaluate numerical expressions involving rational numbers
B.14 Multi-step word problems
C.14 Identify equivalent expression involving exponents
G.2 Solve Proportions: word problems
H.11 Percent of change: word problems
I.8 Multi-step problems with percents
L.3 Write equivalent expressions using properties
N.9 Graph solutions to multi-step inequalities
T.5 Pythagorean theorem: word problems
Z.2 Find slope from two points
AA.10 Convert a linear equation in standard form to slope-intercept form
CC.8 Compare linear functions: graphs and equations
GG.3 Solve a system of equation by graphing: word problem
GG.9 Solve system of equations using substitution: word problem
GG.11 Solve system of equations using elimination; word problem
GG.13 Solve a system of equations using any method: word problems
(in Algebra 1) W.4 Add and subtract polynomials
(in Algebra 1) W.11 Multiply Polynomials
HH.1 Calculate mean, median, mode, and range