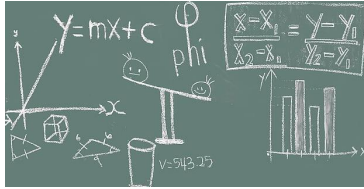


Summer Math Practice on IXL

For Incoming 8th Graders



Research shows that in order for skills to be permanently mastered, they must be continuously practiced. “If you don’t use it, you lose it!” To help prevent the summertime “skill slump”, all incoming seventh-grade students are being asked to continue using their IXL Math accounts. This site allows students to have step-by-step practice of math skills with feedback and instructional guidelines. You should plan to work on this weekly, so you are getting continuous review throughout the summer.

Our current rising eighth-grade students have already been given and have been using their IXL accounts. However, if you are a new student who needs new username and password information, please contact Mrs. McKenna at smckenna@iccatholicsschool.org so she can set you up.

Each skill is labeled and listed below. Follow the directions to practice each skill throughout the summer. Remember to log in to your account first in order for your progress to be saved. These suggested skills include a review of seventh-grade material, as well as some introduction into skills seen in eighth grade.

Steps:

- 1) Log in to your IXL account.
- 2) On the right hand side of the page, click “Suggestions from your teacher”. All of the skills listed below have been assigned to you.
- 3) Continue working on the skill until you have reached between an 80-100 for a score. It is best to work in short sessions of 15-20 minutes, especially if you are having difficulty reaching a SmartScore of 80 on a particular skill.
- 4) Print out the chart and fill in the date and smart score once you have completed a skill. Bring it to the first day of school.

Name: _____

Suggested Skills for Entering 8th Grade

Skill number as of June 2021**	Skill Name <small>(**Please use this as a reference because the numbering may change over the summer)</small>	Smart Score	Date Completed
Number Theory			
A.5	Greatest common factor		
A.6	Least common multiple		
Integers			
B.1	Understanding integers		
B.2	Absolute value and opposite integers		
B.6	Compare and order integers		
Operations with Integers			
C.12	Add and subtract integers		
C.21	Multiply and divide integers		
C.23	Add, subtract, multiply, and divide integers		
Operations with Decimals			
E.1	Add and subtract decimals		
E.3	Multiply decimals		
E.5	Divide decimals		
E.7	Estimate sums, differences, and products of decimals		
Fractions and Mixed Numbers			
F.7	Compare fractions: word problems		
Operations with Fractions			
G.9	Multiply fractions		
G.12	Divide fractions		
Exponents and Square Roots			

I.1	Evaluate exponents		
I.4	Exponents with negative bases		
	Rates, Ratios, and Proportions		
J.11	Do the ratios form a proportion?		
	Proportional Relationships		
K.7	Add to 5 proportional relationships from tables		
K.8	Create a table and graph a proportional relationship		
	Percents		
L.2	Convert between percents, fractions, and decimals		
L.9	Percent of change		
	Coordinate Plane		
P.1	Coordinate plane		
	Expressions and Properties		
R.5	Evaluate multi-variable expressions		
R.10	Properties of addition and multiplication		
R.11	Multiply using the distributive property		
R.15	Add and subtract like terms; with exponents		
	One-Variable Equations		
S.5	Solve one-step equations		
S.6	Solve two-step equations		
	One-Variable Inequalities		
T.2	Graph inequalities on number lines		
T.3	Write inequalities from number lines it just got stuff in here again yeah that's why I brought my fan in because it when it gets		
	Two-Variable Equations		
U.5	Complete a table for a two-variable relationship		

U.7	Identify the graph of an equation		
	Linear Functions		
V.1	Find the slope from a graph		
V.2	Find the slope from two points		
V.4	Find the slope from an equation		
V.5	Graph a line using slope		

Multiplication and Division Facts

Students should be completely fluent in ALL of their multiplication and division facts (1-12). Here is an online link you may use to keep up with your facts:

https://phet.colorado.edu/sims/html/arithmetric/latest/arithmetric_en.html