

# Middle School Mathematics – Summer Learning

For current middle school students, below are recommended IXL skills to work on over the summer to get a head start on learning math content in your 2025-2026 math course.

Students log into IXL through Clever.

## 2025-2026 Math Courses and IXL Skill Recommendations:

- First: Watch the IXL skill video first.
- Second: Review the “Learn with an example” second.
- Third: Work on the problems to achieve a Smart Score of 80.
- Fourth: Once  $\geq 80$ , start the steps over again with another recommended skill.

### Grade 7 Math

IXL Skill Code	IXL Skill Title
8XE	Convert between decimals and fractions or mixed numbers
2HW	Convert between percents, fractions, and decimals
B8A	Add, subtract, multiply and divide integers
GKU	Add and subtract rational numbers
8XW	Multiply and divide rational numbers
JVU	Multi-Step word problems with positive rational numbers
TDA	Solve proportions
E8Z	Convert between customary and metric systems
LKZ	Find the constant of proportionality from a table
ZUT	Find the constant of proportionality from a graph
5DR	Complete a table and graph a proportional relationship
6GU	Write equations for proportional relationships from tables
JKH	Write equations for proportional relationships from graphs
VKK	Write and solve equations for proportional relationships

### Grade 7 Accelerated Math

IXL Skill Code	IXL Skill Title
8XE	Convert between decimals and fractions or mixed numbers
2HW	Convert between percents, fractions, and decimals
TR9	Multiply powers: variable bases
DLA	Divide powers: variable bases
85P	Multiply and divide powers: variable bases
2CU	Powers of a power: variable bases
GSE	Simplify expressions using properties of exponents
9B9	Multiply linear expressions with rational coefficients
K8S	Common monomial factors
BFZ	Factor out a monomial
YBB	Understanding negative exponents
WGS	Evaluate negative exponents
VLM	Identify equivalent expressions involving exponents I
UTY	Evaluate expressions using properties of exponents

# Middle School Mathematics – Summer Learning

## Grade 8 Pre-Algebra

IXL Skill Code	IXL Skill Title
TR9	Multiply powers: variable bases
DLA	Divide powers: variable bases
85P	Multiply and divide powers: variable bases
2CU	Powers of a power: variable bases
GSE	Simplify expressions using properties of exponents
9B9	Multiply linear expressions with rational coefficients
K8S	Common monomial factors
BFZ	Factor out a monomial
YBB	Understanding negative exponents
WGS	Evaluate negative exponents
VLM	Identify equivalent expressions involving exponents I
UTY	Evaluate expressions using properties of exponents
NV6	Identify rational and irrational numbers

## Algebra 1 Honors

IXL Skill Code	IXL Skill Title
WSJ	Rearrange multi-variable equations
28N	Solve multi-step linear equations
7S7	Solve linear equations with variables on both sides
DN6	Solve linear equations: mixed review
NPZ	Solve two-step linear inequalities
XVM	Graph solutions to two-step inequalities
9K8	Solve advanced linear inequalities
5GC	Graph solutions to advanced linear inequalities
6UV	Write compound inequalities from graphs
GXA	Solve compound inequalities
LHX	Graph solutions to compound inequalities