

Summer Math IXL

For students who completed
Pre-Algebra Honors in 2023-2024

Requirements:

- **85% Smart Score** or higher on each completed lesson
- Complete **15 mandatory lessons** and **5 additional lessons chosen from the list** below
- **All work must be shown** on paper, labeled with the lesson title. This will be turned in.
- **The most current Smart Score** will be the one graded. For example, if you reach 78% and then drop to 54%, the 54% is the score that will count.

Once in IXL, go to **Grade 8** to find lessons.

15 Mandatory IXL Lessons

TYPE THIS CODE INTO SEARCH BAR	LESSON TITLE	√
WGS	Evaluate powers with negative exponents	
UTY	Evaluate expressions using properties of exponents	
NNA	Solve equations using square roots	
6PB	Convert between percents, fractions and decimals	
VGE	Pythagorean Theorem: find the perimeter	
JUB	Volume of cubes, prisms and pyramids	
ZT6	Surface area of cubes, prisms and pyramids	
ZYL	Solve equations with variables on both sides	
R5P	Find a missing coordinate using slope	
7MZ	Graph a line from an equation in standard form	
WV5	Solve a system of equations by graphing	
J8X	Solve a system of equations using substitution	
ZQV	Solve a system of equations using elimination	
W75	Add and subtract polynomials	
JB7	Multiply Polynomials	

5 "Choice" Lessons: Choose 5 additional IXL lessons from the list below.

TYPE THIS CODE INTO SEARCH BAR	LESSON TITLE	√
Y6W	Evaluate numerical expressions involving integers	
5E3	Evaluate numerical expressions involving rational numbers	
L2J	Multiply and divide powers: integer bases	
YZU	Multiply numbers written in scientific notation	
SGT	Divide numbers written in scientific notation	
NYH	Percent of Change	
ZBP	Find the distance between two points	

R2B	Find measures of complementary, supplementary, vertical and adjacent angles	
EQZ	Converse of the Pythagorean theorem: Is it a right triangle?	
6AZ	Solve multi-step inequalities	
VKP	Write a linear equation from a slope and a point	
85P	Multiply and divide powers: variable bases	