

Required Summer Math

For Students Taking 7th Grade Math



Practice the skills below. You should keep practicing the skill until you receive at least an 80 for your smart score or spend 1 hour on the skill. To find the skill, search using the code below.

	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	NEA	Write an equivalent ratio	
2	JXM	Solve one-step addition and subtraction equations with whole numbers	
3	FMS	Compare and order rational numbers using number lines	
4	79J	Add and subtract decimal numbers	
5	9CW	Absolute value and integers: word problems	
6	BFR	Division with decimal quotients	
7	35Q	Solve one-step addition and subtraction equations: word problems	
8	8N4	Percents of numbers and money amounts	
9	TY5	Write multiplication expressions using exponents	
10	ZB9	Ratios and rates: word problems	

Required Summer Math for All 7th-12th grade Students

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All students will be given a grade in their math class at the start of the school year for completing all skills from the summer skill plan. For a skill to be considered completed, you must have a smart score of at least 80 on the skill or spend 1 hour on the skill. **Completion of all skills will result in a grade of 100 being entered as an assignment grade in the gradebook plus 10 bonus points on the first test of the year.** Extra rewards, such as drawings for gift cards, will also be given to students who complete all skills. A zero will be entered for an assignment grade if all skills are not completed.

Every student has been given a username and password to log on to IXL. New student logins will be sent to parents by email. If you do not have this information, please email smoncivais@johncurtis.com.

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Required Summer Math

For Students Taking 8th Grade Math



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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	8XE	Convert between decimals and fractions or mixed numbers	
2	YRR	Identify proportional relationships from tables	
3	NUY	Multiply using the distributive property	
4	SD2	Add and subtract positive and negative fractions	
5	K94	Complete multiplication and division equations with integers	
6	B8A	Add, subtract, multiply, and divide integers	
7	XGQ	Solve two-step inequalities	
8	QEB	Solve two-step equations	
9	7YN	Evaluate numerical expressions involving integers	
10	2LU	Complete a table for a two-variable relationship	

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Required Summer Math

For Students Taking Algebra 1



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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	Y6W	Evaluate numerical expressions involving integers	
2	MUK	Compare rational numbers	
3	5E3	Evaluate numerical expressions involving rational numbers	
4	UTY	Evaluate expressions using properties of exponents	
5	T8K	Identify terms and coefficients	
6	JXD	Solve two-step equations	
7	55K	Solve multi-step equations	
8	D7M	Find the slope of a graph	
9	ZAC	Find the slope from two points	
10	WHP	Write a linear equation from a slope and y-intercept	

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Required Summer Math

For Students Taking Algebra 2



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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	PHF	Solve linear equations	
2	76G	Solve systems of linear equations	
3	M7Q	Multiply two binomials	
4	Q98	Equations of lines	
5	QWZ	Area and perimeter in the coordinate plane	
6	ENU	Solve a quadratic equation by factoring	
7	UZC	Trigonometric Ratios: find a side length	
8	ZFF	Simplify radical expressions	
9	REQ	Solve a triangle	
10	VMQ	Identify linear functions from graphs and equations	

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Required Summer Math

For Students Taking Geometry



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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	DN6	Solve linear equations: mixed review	
2	XPK	Describe a sequence of transformations	
3	5GC	Graph solutions to advanced linear inequalities	
4	8NK	Dilations: scale factor and classification	
5	LBX	Point-slope form: write an equation from a graph	
6	9RQ	Write linear functions: word problems	
7	ERF	Solve a quadratic equation using square roots	
8	TSS	Solve a system of equations by graphing	
9	KKT	Pythagorean theorem	
10	AYD	Distance between two points	

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Required Summer Math



For Students Taking Advanced Math 1 or 1H

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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	QKF	Factor using a quadratic pattern	
2	YQH	Solve a quadratic equation using the quadratic formula	
3	QGZ	Simplify radical expressions with variables II	
4	QCE	Match quadratic functions and graphs	
5	U96	Simplify expressions involving rational exponents II	
6	8GN	Multiply polynomials	
7	2BG	Solve Linear Equations: Word Problems	
8	JVF	Add and subtract complex numbers	
9	RSN	Transformations of functions	
10	ZCH	Solve Polynomial Equations	

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Required Summer Math

For Students Taking Calculus



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	SKILL CODE:	SKILL NAME:	CHECK WHEN COMPLETED:
1	CLF	Add, subtract, multiply, and divide functions	
2	2G6	Solve radical equations	
3	KRZ	Find the maximum or minimum value of a quadratic function	
4	VQK	Match polynomials and graphs	
5	7TC	Simplify expressions involving rational exponents	
6	2Y8	Identify inverse functions	
7	TBH	Composition of functions	
8	ET7	Solve a right triangle	
9	DST	Find inverse functions and relations	
10	5YS	Divide polynomials using long division	

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