



# Baldwin Union Free School District

960 Hastings Street ♦ Baldwin, NY 11510-4798

[www.baldwinschools.org](http://www.baldwinschools.org)



Dear Parent/Guardian & Student:

The Mathematics Departments at the Middle and High School have designed a summer math assignment so that students stay engaged in practicing essential math skills that they have already learned. These skills were selected as the most important math topics for students to review before September.

IXL is a comprehensive, Next Generation Learning standards-aligned math program offering unlimited practice in thousands of skills. One of the best things about IXL is that it is a web-based program that you can use from a computer, phone, or tablet.

### Student Expectations:

1. Each student must **get a smart score of 80 for each skill assigned**. The skills assigned are listed on the last page of this letter. You do not need to proceed with a certain skill after you reach a smart score of 80.
2. Upon completion, students may earn up to **10 extra bonus points** on the first unit exam.
3. Enclosed please find step by step instructions to log on and use IXL, find the assigned skills, and additional resources. While we encourage all of our students to rest and relax during the summer months, it is also important to take time to reinforce and maintain academic skills gained throughout the school year.
4. Students in grades 8-12 who are reviewing skills from Algebra 1, Geometry, and Algebra 2 will need to use a graphing calculator. If you do not own a graphing calculator an online graphing calculator can be found using the following links:

<https://ti84calc.com/ti84calc>

<https://www.desmos.com/calculator>

5. Please take a moment to review this brief video on how to navigate the IXL instructional application by going to <https://vimeo.com/951652526/952731da56?share=copy> or by scanning the QR code below:



Feel free to go beyond the skills listed above and practice as many skills as you want this summer. Good luck and have fun!

Sincerely,

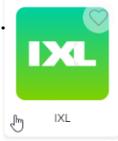
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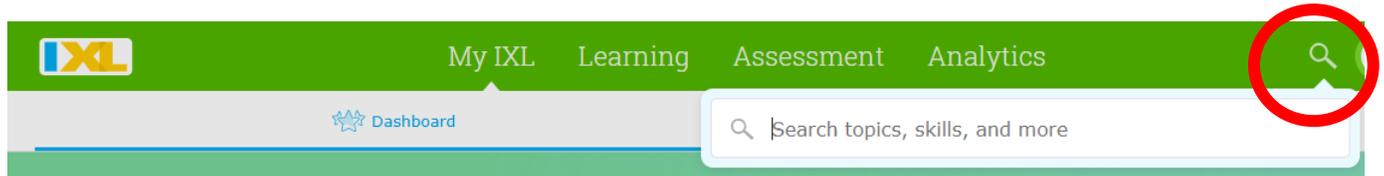
**How to get started:**

Step 1: Log onto your Clever account. If your child needs support on how to access their Clever account, visit <https://www.baldwinschools.org/elearning>.

Step 2: Find and click on the IXL icon.

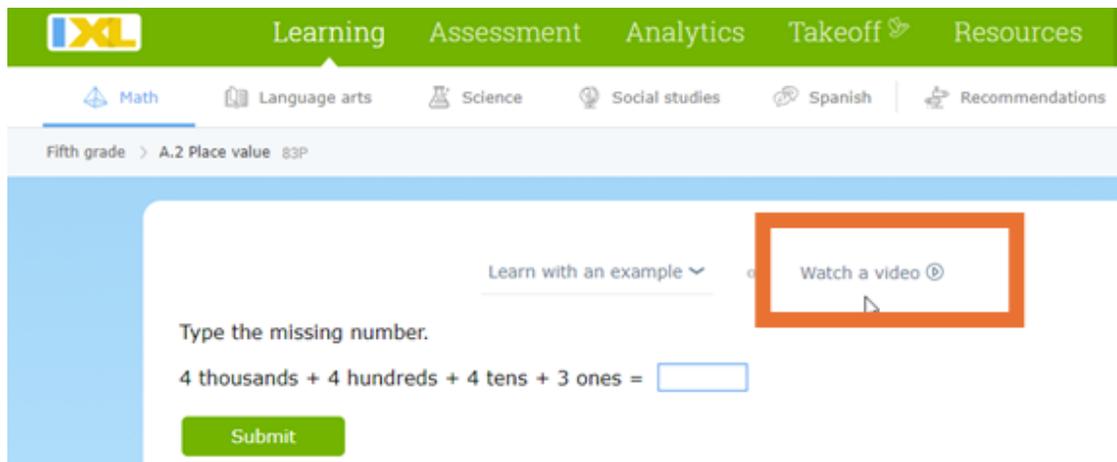


Step 3. When you click on the IXL icon you will be brought to your IXL account. After signing in click on the magnifying glass and type in the three-digit code.



Please find IXL user guides, assistance with IXL technical issues, and account support by navigating to <https://www.ixl.com/help-center/>

Brief instructional videos are included with each skill. You can view the instructional video simply by selecting watch video after you select the skill you want to practice. (see the screen capture below). Before completing the IXL skills, you may watch the videos below to help you review.



**Students going into Algebra 1 or Math 1A should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Achieved a Smart Score of at least an 80	IXL Skill Code	IXL Skill Name
	U7T	Multiply using distributive property
	QCY	Add and subtract linear expressions
	JXD	Solve two-step equations
	VFV	Understanding exponents
	T6E	Coordinate Plane Review
	V77	Evaluate one-variable expressions
	TYL	Properties of addition and multiplication
	6QT	Write variable expressions: two operations
	BSF	Solve one-step inequalities
	G2U	Solutions to inequalities
	DC2	Complete a table and graph a linear function
	BVQ	Which x satisfied an equation

**Students going into Intermediate Geometry or Math 1B should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Achieved a Smart Score of at least an 80	IXL Skill Code	IXL Skill Name
	28N	Solve Multi-Step Linear Equations
	NPZ	Solve Two-Step Linear Inequalities
	XVM	Graph Solutions to Two-Step Linear Inequalities
	HHP	Graph a Two-Variable Linear Inequality
	LRL	Is (x,y) a solution to the system of linear equations?
	TSS	Solve a systems of equations by graphing
	8P9	Solve a systems of equations using substitution
	A48	Solve a systems of equations using elimination
	VFC	Is (x,y) a solution to the system of linear inequalities?
	LZF	Identify linear and exponential functions from tables
	NQE	Rate of Change of a linear function: tables
	VLL	Identifying Functions
	R96	Evaluate a Function
	JC5	Domain and Range of linear functions: graphs
	NQE	Rate of Change of a linear function: tables

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**Students going into Geometric Principles should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Achieved a Smart Score of at least an 80	IXL Skill Code	IXL Skill Name
	28N	Solve multi-step linear equations
	QAK	Solve two-step linear equations
	7S7	Solve linear equations with variables on both sides
	VSW	Solve equations involving like terms
	JJG	Simplify the expressions by combining like terms
	ZWP	Graph a horizontal or vertical line
	T6E	Coordinate plane review
	K77	Quadrants and axes
	2HH	Multiply using the distributive property
	NSH	Solve two-step equations with parentheses

**Students going into Geometry or Advanced Algebra should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Achieved a Smart Score of at least an 80	IXL Skill Code	IXL Skill Name
	28N	Solving Multi-Step Equations
	A42	Slope-Intercept Form-Writing Equations
	S9P	Factoring Quadratics with Leading Coefficients 1
	CSS	Solve a Quadratic Equation by Factoring
	ZFF	Simplifying Radical Expressions
	MD5	Finding Slope from Two Points
	J8R	Add and Subtract Rational Numbers
	EFA	Area and Perimeter: Word Problems
	H6E	Coordinate Plane Review
	7ZL	Pythagorean Theorem: Finding Length of the Hypotenuse

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**Students going into Algebra 2 should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Achieved a Smart Score of at least an 80	IXL Skill Code	IXL Skill Name
	2B7	Polynomial Operations
	28N	Solve multi-step linear equations
	S9P	Factor quadratics with leading coefficient of 1
	72C	Divide polynomials by monomials
	XCF	Solve quadratic equations by quadratic formula
	56E	Factor quadratics: special cases
	LNK	Simplify exponential expressions using exponent rules
	T79	Average Rate of Change
	9EE	Solve a system of linear and quadratic equations by graphing
	AU8	Match quadratic functions and graphs

**Students going into AP Precalculus should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Completed at least an 80	IXL Skill Code	IXL Skill Name
	PHD	Average rate of change
	Q83	Even and odd functions
	XMK	Match polynomials and graphs using end behavior
	ZCH	Solve polynomial equations
	Y86	Domain and range of polynomials
	YS8	Fundamental Theorem of Algebra
	EYD	Conjugate root theorems
	CJC	Solve a quadratic equation by factoring
	YQH	Solve a quadratic equation using the quadratic formula
	DYZ	Even and odd functions

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**Students going into AP Statistics should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Completed at least an 80	IXL Skill Code	IXL Skill Name
	HDX	Calculate mean, median, mode, and range
	YHZ	Populations and samples
	QZS	Identify an outlier and describe the effect of removing it
	KPG	Correlation and causation
	D9Y	Find the equation of a regression line
	CND	Interpret charts and graphs to find mean, median, mode, and range
	CSR	Identify representative, random, and biased samples
	SEQ	Interpret regression lines
	FQ7	Match correlation coefficients to scatter plots
	2EG	Changes in mean, median, mode, and range

**Students going into College Calculus should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Completed at least an 80	IXL Skill Code	IXL Skill Name
	DPR	Find trigonometric ratios of special angles
	TBH	Composition of functions
	6VY	Evaluate functions
	2Y8	Identify inverse functions
	PBA	Find values of inverse functions from tables
	2HL	Convert between rational exponents and radicals
	5TE	Average rate of change I
	JA8	Average rate of change II
	RZH	Identify graphs of continuous functions
	WX6	Determine continuity using graphs
	HJH	Find limits using graphs
	LSL	Find one-sided limits using graphs
	NVW	Find limits at vertical asymptotes using graphs
	DBH	Determine end behavior using graphs

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**Students going into AP Calculus should review these skills:** Use this as a checklist and mark the skills that are completed as you go.

Completed at least an 80	IXL Skill Code	IXL Skill Name
	YEC	Domain and Range
	5YS	Divide polynomials using long division
	9PW	Factor sums and differences of cubes
	PYL	Properties of logs: mixed review
	2HL	Convert between rational exponents and radicals
	DPR	Find trig. ratios of special angles
	5TE	Average Rate of Change I
	WX6	Determine continuity using graph
	HJH	Find limits using graphs
	LSL	Find one-sided limits using graphs
	NVW	Find limits at vertical asymptotes using graphs
	DBH	Determine end behavior using graphs
	KX6	Find limits of polynomials and rational functions
	WRZ	Evaluate piecewise-defined functions
	FX7	Simplify radical expressions using conjugates