Middle School Math 2025 Summer Homework

IXL Website- *http://www.ixl.com/*   **Due Date:** Friday, August 15, 2025

Username and Password is the same as the 2025-2026 school year.
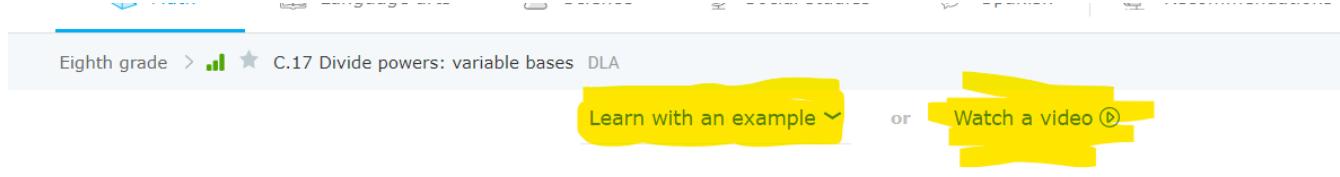   Example:
                Username: firstlast408 (for example, erinspence408)
                Password: whatever password you had last year
** Contact the Tech Department at Tech@st-cecelia.org if you have trouble logging into your account**

- Complete all skills listed for the grade and course level, on level or honors, that you are entering for the 2025-2026 school years. If there is any question regarding the course, please contact Mrs. Ferraro at jferraro@st-cecelia.org (Honors Math) or Ms. Solomon bsolomon@st-cecelia.org (On level).

- Each IXL skill listed, must have a score of at least 90%. A score of 90% will be entered as 100%, but true scores will be recorded below 90%. (90=100, 89=89, 88=88, etc.) Scores will be averaged and will count as a Formative grade. Plus, there will be a summative quiz on the skills given during the Friday of the 1st week of school.

- Work must be completed during the date range of May 19 – August 15. Therefore, **if a particular skill was already completed prior to this date range, the skill must be re-done or the score at least increased during this date range.**

- *Search the 3-digit code to find the skill in IXL. Please check the names of the skills to make sure you are doing the correct assignment. There is a chance that the IXL company might change the letter names for the skills over the summer. This has happened in the past.*

- Students should not use calculators since the purpose of this homework is to practice the skills, and calculators will NOT be allowed on the assessment at school.

-If you are struggling with the IXL. There are videos on the website to help you. Videos do not show up when using the IXL app.

Eighth grade > 📊 ★ C.17 Divide powers: variable bases DLA

Learn with an example ˅   or   Watch a video ⓥ

Simplify. Express your answer using positive exponents.

$$\frac{7h}{7h^4}$$

- Students are welcomed (and encouraged) to practice any other math skills not listed.

Entering 6th Grade

On Level Math

IXL from Fifth Grade Section

MPB Rounding decimals

7VJ Add and subtract decimal numbers

J9Z Division with decimal quotients

MKA Equivalent Fractions

B7X Convert between improper fractions and mixed numbers

6BH Add and subtract mixed numbers: word problems

WEX Add, subtract, multiply, and divide whole numbers

NGZ Add, subtract, multiply, and divide decimals

VFX Add, subtract, multiply, and divide fractions and mixed numbers

AAP Find the mean

PJL Compare and convert metric units

Honors Math

IXL from Sixth Grade Section

BFR Division with decimal divisors

4G6 Compare Integers

P6W Add, subtract, multiply, or divide two decimals

2VR Add, subtract, multiply, or divide two fractions

RDY Add, subtract, multiply, or divide two fractions: word problems

DJE Rational Numbers on Number Lines

KS2 Compare rational numbers

5AX Put rational numbers in order

LHA Multi-step word problems

GUU Estimate to solve word problems

ZAV Convert between percent, fractions, and decimals

BE9 Area of rectangles and squares

ZZK Calculate mean, median, mode, and range

Entering 7th grade

On Level Math

IXL from Sixth Grade Section

BFR Division with decimal divisors

P6W Add, subtract, multiply, or divide two decimals

2VR Add, subtract, multiply, or divide two fractions

RDY Add, subtract, multiply, or divide two fractions: word problems

VMW Add, subtract, multiply, or divide two integers

ZAV Convert between percent, fractions, and decimals

8N4 Percent of numbers and money amounts

WLR Solve one-step equations with whole numbers

BE9 Area of rectangles and squares

ZZK Calculate mean, median, mode, and range

Honors Math

IXL from Seventh Grade Section

FNS Add and subtract integers

B8A Add, subtract, multiply, or divide integers

6HB Divide decimals

FNM Evaluate numerical expressions involving decimals

XXQ Evaluate numerical expressions involving fractions

28Y Put rational numbers in order

WCZ Add and subtract positive and negative decimals

SD2 Add and subtract positive and negative fractions

WB7 Solve proportions: word problems

2HW Convert between percent, fractions, and decimals

E7Y Simple interest

7WP Follow directions on a coordinate plane

RUZ Distance between two points

QEB Solve two-step equations

6TT Graph solutions to two-step inequalities

Entering 8th grade

On Level Math
IXL from Seventh Grade Section

FNS Add and subtract integers

KR7 Add, subtract, multiply, and divide fractions and mixed numbers: word problems

GKU Add and subtract rational numbers

BXW Multiply and divide rational numbers

2HW Convert between percent, fractions, and decimals

QEB Solve two-step equations

HKG Identify complementary, supplementary, vertical, and adjacent angles

CST Find measures of complementary, supplementary, vertical, and adjacent angles

 Circumference of Circles

YA8 Area of Circles

U2A Calculate mean, median, mode, and range

Entering Algebra 1 Honors
IXL from Eighth Grade Section

5E3 Evaluate numerical expressions involving rational numbers

2YA Evaluate absolute value expressions

U7T Multiply using the Distributive Property

QP7 Add and Subtract Like Terms

QCY Add and Subtract Linear Expressions

EGA Factors of Linear Expressions

ZYL Solve equations with variables on both sides

HZZ Solve equations: mixed review

HCP Solve one step and two step equations: word problems

7TY Create equations with no solution or infinitely many solutions

HKW Graph solutions to multi-step inequalities

DC2 Complete a table and graph a linear function

HK6 Evaluate a nonlinear function

WV5 Solve a system of equations by graphing

J8X Solve a system of equations using substitution

Z97 Solve a system of equations using elimination: word problems

5EK Add and Subtract Polynomials

TR9 Multiply Powers: variable bases

DLA Divide Powers: variable bases