



Geometry Honors: Summer Home Learning

1. Go to the IXL app or the website www.IXL.com/signin/pacespartans
 2. Enter your username and password.
 - **Each student's USERNAME** is their @pacespartans email, WITHOUT ".com" at the end. For example, **jdoe15123@pacespartans.com** would just use **jdoe15123@pacespartans** to login.
 - **Each student's PASSWORD** is their date of birth, just the month and day, with no dashes. For example, a student born on **February 4** would have the password **0204 Or like your ID**
 1. Click on **MATH** at the top of the page and navigate to **EIGHTH GRADE**.
 2. Complete each skill listed below with a SmartScore of **80 or above**.
-

The following sections are **MANDATORY** and will count as your first quiz grade:

EIGHTH GRADE

Exponents and Square Roots

- F.1 – Understanding Exponents
- F.2 – Evaluate Exponents
- F.14 – Square Roots of Perfect Squares
- F.16 – Estimate Positive and Negative Square Roots

Variable Expressions

- V.4 – Evaluate Single-Variable Expressions
- V.5 – Evaluate Multi-Variable Expressions

Coordinate Graphs

- N.1 – Points on Coordinate Graphs
- N.2 – Quadrants and Axes

Geometry

- O.9 – Identify Complementary, Supplementary, Vertical, Adjacent, and Congruent Angles
- O.10 – Find Measures of Complementary, Supplementary, Vertical, and Adjacent Angles

ALGEBRA 1

Ratios and Percentages

- C.1 – Identify Equivalent Ratios
- C.2 – Equivalent Ratios: Fill in the Missing Number
- C.5 – Solve Proportions
- C.6 – Solve Proportions: Word Problems

Variable Expressions and Equations

- I.1 – Write Variable Expressions
- I.2 – Simplify Variable Expressions Involving Like Terms and the Distributive Property

- I.5 – Does x satisfy the equation?
- I.7 – Solve equations using Order of Operations

Geometry

- F.1 – Perimeter
- F.2 – Area

The following sections are **RECOMMENDED** skills to practice over the summer:

EIGHTH GRADE

Two Dimensional Figures

- O.2 – Classify Triangles
- O.3 – Classify Quadrilaterals
- O.13 – Parts of a Circle

Transformations

- P.2 – Identify Reflections, Rotations, and Translations
- P.1 – Symmetry

Pythagorean Theorem

- R.1 – Find the Length of the Hypotenuse
- R.2 – Find the Missing Leg Length