



Geometry: 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, **jdoue15123@pacespartans.com** would just use **jdoue15123@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 ID**
 1. Click on **MATH** at the top of the page and navigate to **SEVENTH GRADE**.
 2. Complete each skill listed below with a SmartScore of **80 or above**.
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The following sections are **MANDATORY** and will count as your first quiz grade:

SEVENTH GRADE

Exponents and Square Roots

- I.1 – Understanding Exponents
- I.2 – Evaluate Exponents
- I.9 – Square Roots of Perfect Squares
- I.10 – Estimate Square Roots

Ratios and Proportions

- J.1 – Understanding Ratios
- J.2 – Equivalent Ratios
- J.4 – Equivalent Ratios: Word Problems
- J.8 – Do the Ratios Form a Proportion
- J.10 – Solve Proportions

Expressions and properties

- R.1 – Write Variable Expressions
- R.3 – Evaluate Single-Variable Expressions I
- R.4 – Evaluate Single-Variable Expressions II

One-Variable Equations

- S.1 – Does x Satisfy the Equation?
- S.5 – Solve One-Step Linear Equations
- S.6 – Solve Two-Step Linear Equations
- S.8 – Solve Equations involving Like Terms

Two Dimensional figures

- W.9 – Lines, Line Segments, and Rays
- W.10 – Parallel, Perpendicular, Intersecting
- W.2 – Name, Measure, and Classify Angles

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

SEVENTH GRADE

Two Dimensional figures

- W.11 – Identify Complementary, Supplementary, Vertical, and Adjacent Angles
- W.3 – Classify Triangles
- W.15 – Parts of a Circle

Transformations

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

Pythagorean Theorem

- Y.1 – Pythagorean Theorem: Find Hypotenuse
- Y.2 – Pythagorean Theorem: Find Missing Leg