

- The [Level F Lesson “Distance in the Coordinate Plane”](#) pre-teaches the concept taught in [“Reflections”](#)
- Unlike [Extra Lessons](#) from other [levels](#), in [math Extra Lessons](#) in this [level](#), the narrator of the [diagnostic](#) narrates the [quiz](#).
- As of the 2023-2024 school year, some [Extra Lessons](#) have not been replaced, so there are no non-[extra lessons](#) involving the Pythagorean theorem, the volumes of cylinders, cones, and spheres, sequences of transformations (all [lessons](#) involving that were deleted in August 2021), Irrational Numbers, Expressing Repeating Decimals as Fractions, and Scientific Notation.
- The first [lessons](#) to get replaced were Geometry [Lessons](#) about Transformations in August 2021.

## Lessons

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### Math

- [Properties of Positive Integer Exponents, Part 1 \(Math\) \(Mid 8\)](#)
- [Properties of Positive Integer Exponents, Part 2 \(Math\) \(Mid 8\)](#)
- [Properties of Zero and Negative Exponents \(Math\) \(Mid 8\)](#)
- [Find Square Roots and Cube Roots to Solve Problems \(Math\) \(Late 8\)](#)
- [Proportional Relationships and Slope \(Math\) \(Early 8\)](#)
- [Derive Linear Equations \(Math\) \(Early 8\)](#)
- [Graph Linear Equations \(Math\) \(Early 8\)](#)
- [Solve Linear Equations \(Math\) \(Early 8\)](#)
- [Number of Solutions for Linear Equations \(Math\) \(Early 8\)](#)
- [Understand Systems of Linear Equations \(Math\) \(Early 8\)](#)
- [Graph Systems of Linear Equations \(Math\) \(Early 8\)](#)
- [Solve Systems of Linear Equations: Substitution \(Math\) \(Early 8\)](#)
- [Solve Systems of Linear Equations: Elimination \(Math\) \(Early 8\)](#)
- [Understand Functions \(Math\) \(Mid 8\)](#)
- [Linear Functions: Rate of Change and Initial Value \(Math\) \(Mid 8\)](#)
- [Linear Functions: Model from Two Points \(Math\) \(Mid 8\)](#)
- [Linear Functions: Model from a Verbal Description \(Math\) \(Mid 8\)](#)
- [Compare Functions \(Math\) \(Mid 8\)](#)
- [Analyze Scatter Plots and Fit a Linear Model \(Math\) \(Mid 8\)](#)
- [Fitting a Linear Model to Data \(Probably Mid 8\)](#)
- [Equations for Linear Models \(Math\) \(Mid 8\)](#)
- [Understand Two-Way Tables \(Math\) \(Mid 8\)](#)
- [Construct and Interpret Two-Way Tables \(Math\) \(Mid 8\)](#)
- [Understand Rigid Transformations \(Math\) \(Early 8\)](#)
- [Translations \(Math\) \(Early 8\)](#)
- [Reflections \(Math\) \(Early 8\)](#)
- [Rotations \(Math\) \(Early 8\)](#)
- [Dilations and Similarity \(Math\) \(Early 8\)](#)
- [Dilations in the Coordinate Plane \(Math\) \(Early 8\)](#)
- [Describe Angle Relationships \(Math\) \(Early 8\) \(Former Final Lesson\)](#)

- [Describe Angle Relationships in Triangles \(Math\) \(Early 8\) \(Final Lesson\)](#)

## Extra Math

- Rational and Irrational Numbers (Math) (Extra)
- Approximating Irrational Numbers (Math) (Extra)
- [Scatter Plots \(Math\) \(Extra\)](#)
- Scientific Notation (Math) (Extra)
- [The Pythagorean Theorem \(Math\) \(Extra\)](#)
- [Applications of the Pythagorean Theorem \(Math\) \(Extra\)](#)
- Operations with Numbers Expressed in Scientific Notation (Math) (Extra)
- Volume of Cylinders, Cones, and Spheres (Math) (Extra) (Former Final Lesson)

## Deleted Math

- Properties of Integer Exponents
- Square Roots and Cube Roots
- Concept of a Function
- Linear Functions
- Linear Functions, Rate of Change, and Initial Value
- Properties of Functions
- Systems of Linear Equations
- Solve Systems of Linear Equations Algebraically
- Angle Sums Properties

## Reading

- [Vocabulary about Creative Problem-Solving: Preview 1 \(Reading\) \(Early 8\)](#)
- Building Sentence Comprehension: Identifying Replaced Words and Ideas in Literary Texts (Reading) (Early 8)
- [Vocabulary about Creative Problem-Solving: Preview 2 \(Reading\) \(Early 8\)](#)
- Citing Evidence: Literary Text (Reading) (Early 8)
- Vocabulary about Creative Problem-Solving: Assess (Reading) (Early 8)
- Vocabulary about Artistic Expressions: Preview 1 (Reading) (Early 8)
- Building Sentence Comprehension: Identifying Replaced Words and Ideas in Informational Texts (Reading) (Early 8)
- Vocabulary about Artistic Expressions: Preview 2 (Reading) (Early 8)
- Citing Evidence: Informational Text (Reading) (Early 8)
- Vocabulary about Artistic Expressions: Assess (Reading) (Early 8)
- Building Sentence Comprehension: Connecting and Completing Ideas in Literary Texts (Reading) (Early 8)
- Analyzing Development of a Theme, Part 1 (Reading) (Early 8)
- Analyzing Character Development (Reading) (Early 8)
- Building Sentence Comprehension: Connecting and Completing Ideas in Informational Texts (Reading) (Early 8)
- Analyzing Development of Central Ideas (Reading) (Early 8)
- Building Sentence Comprehension: Understanding Literary Texts About Family (Reading) (Early 8)

- Analyzing Plot and Characters (Reading) (Early 8)
- Building Sentence Comprehension: Analyzing Sentence Parts in Literary Texts (Reading) (Early 8)
- Summarizing: Literary Text (Reading) (Early 8)
- Building Sentence Comprehension: Analyzing Sentence Parts in Informational Texts (Reading) (Early 8)
- Summarizing: Informational Text (Reading) (Early 8)
- Analyzing the Impact of Dialogue (Reading) (Mid 8)
- Analyzing Connections Between Individuals, Events, and Ideas (Reading) (Mid 8)
- Vocabulary about Family: Preview 1 (Reading) (Mid 8)
- Building Sentence Comprehension: Understanding Literary Texts About Confidence (Reading) (Mid 8)
- Vocabulary about Family: Preview 2 (Reading) (Mid 8)
- Analyzing Word Choice: Figurative Language (Reading) (Mid 8)
- Vocabulary about Family: Assess (Reading) (Mid 8)
- Analyzing Word Choice: Connotations (Reading) (Mid 8)
- Analyzing Word Choice: Informational Text (Reading) (Mid 8)
- Comparing and Contrasting Poetic Structures (Reading) (Mid 8)
- Vocabulary about Fun and Games: Preview 1 (Reading) (Mid 8)
- Building Sentence Comprehension: Understanding Informational Texts About Gaming (Reading) (Mid 8)
- Vocabulary about Fun and Games: Preview 2 (Reading) (Mid 8)
- Analyzing Paragraph Structure (Reading) (Mid 8)
- Vocabulary about Fun and Games: Assess (Reading) (Mid 8)
- Vocabulary about Family and Friends: Preview 1 (Reading) (Late 8)
- Building Sentence Comprehension: Understanding Literary Texts About Family Histories (Reading) (Late 8)
- Vocabulary about Family and Friends: Preview 2 (Reading) (Late 8)
- Analyzing Perspective in Literature (Reading) (Late 8)
- Vocabulary about Family and Friends: Assess (Reading) (Late 8)
- Determining Author's Purpose (Reading) (Late 8)
- Evaluating Arguments in an Opinion Text (Reading) (Late 8)
- Evaluating Arguments (Reading) (Late 8)
- Building Sentence Comprehension: Understanding Literary Texts Based on Traditional Myths (Reading) (Late 8)
- Analyzing Traditional Elements in Modern Fiction (Reading) (Late 8)
- Vocabulary about Personalities: Preview 1 (Reading) (Late 8)
- Building Sentence Comprehension: Understanding Informational Texts About Personality (Reading) (Late 8)
- Vocabulary about Personalities: Preview 2 (Reading) (Late 8)
- Analyzing Conflicting Information (Reading) (Former Final Lesson) (Late 8)
- [Vocabulary about Personalities: Assess \(Reading\) \(Final Lesson\) \(Late 8\)](#)

## Extra Reading

- Determining Word Meaning using Context Clues ([Carrie](#), [Brandi](#), [Max](#)) (Reading) (Extra)
- Understanding Connotative Meanings ([Carrie](#), [Brandi](#), [Max](#)) (Reading) (Extra)