Math 8 delivers instruction, practice, and review designed to develop computational fluency, deepen conceptual understanding, and apply mathematical practices. In this course, students focus on understanding functions — what they are, how to represent them in different ways, and how to write them to model mathematical and real-world situations. In particular, students investigate linear functions by learning about slope and slope-intercept form. Students' understanding of linear functions is extended to statistics, where they make scatter plots and use linear functions to model data. They solve linear equations and equations involving roots, and explore systems of linear equations. Additional topics include exponents, powers of ten, scientific notation, and irrational numbers. Students learn about transformations, and extend that understanding to an investigation of congruence and similarity. Other geometric concepts explored include the Pythagorean theorem, angle relationships, and volumes of cylinders, cones, and spheres.

The two-semester course is arranged in themed units, each with three to five lessons. Each lesson includes a variety of activities such as direct instruction, application of skills, performance tasks, and formative and summative assessments. Students engage with the subject matter in an interactive, feedback-rich environment as they progress through standards-aligned content and demonstrate their learning through computer- and teacher-scored assignments. By constantly honing the ability to apply their knowledge in abstract and real-world scenarios, students build the depth of knowledge and higher-order skills required to demonstrate their mastery when put to the test.

This course is built to state standards.

Length: Two semesters

UNIT 1: THE NUMBER SYSTEM

LESSON 1: RATIONAL AND IRRATIONAL NUMBERS

Study: Rational and Irrational Numbers

Learn how to distinguish irrational and rational numbers. Rewrite terminating and repeating decimals as fractions. Rewrite fractions, including mixed numbers, as decimals.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Rational and Irrational Numbers

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Rational and Irrational Numbers

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Rational and Irrational Numbers

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Rational and Irrational Numbers

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: APPROXIMATING IRRATIONAL NUMBERS

Study: Approximating Irrational Numbers

Work with approximations of decimal numbers, including pi and square roots of non-perfect squares. Place irrational numbers in order using a number line.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Approximating Irrational Numbers

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Approximating Irrational Numbers

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Approximating Irrational Numbers

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Approximating Irrational Numbers

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: PROPERTIES OF EXPONENTS

Study: Properties of Exponents

Learn important properties of exponents. Explore negative exponents and zero exponents. Simplify expressions with exponents.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Properties of Exponents

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Properties of Exponents

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Properties of Exponents

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Properties of Exponents

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: POWERS OF 10

Study: Powers of 10

Practice multiplying or dividing a number by a power of ten. Use powers of ten to estimate very large and very small numbers.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Powers of 10

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Powers of 10

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Powers of 10

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Powers of 10

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 5: SCIENTIFIC NOTATION

Study: Scientific Notation

Use scientific notation to represent very large and very small numbers. Convert numbers from scientific to standard notation and vice-versa. Solve real-world problems by multiplying and dividing numbers in scientific notation.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Scientific Notation

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Scientific Notation

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Scientific Notation

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Scientific Notation

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 6: WRAP-UP: THE NUMBER SYSTEM

Review: The Number System

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): The Number System

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 38 points

UNIT 2: FUNCTIONS

LESSON 1: FUNCTIONS AND RELATIONS

Study: Functions and Relations

Learn definitions of relations and functions. Use the vertical line test and other methods to tell whether a relation is a function.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Functions and Relations

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Functions and Relations

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Functions and Relations

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Functions and Relations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: SLOPE

Study: Slope

Explore the slopes of lines. Use the slope formula to calculate the slope of a line. Write equations for lines using $y = mx + b$ form.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Slope

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Slope

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Slope

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Slope

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: MULTIPLE REPRESENTATIONS OF PROPORTIONS

Study: Multiple Representations of Proportions

Represent proportions in different ways. Learn how to identify the graph of a proportional relationship and to use a graph to find the unit rate.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Multiple Representations of Proportions

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Multiple Representations of Proportions

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Multiple Representations of Proportions

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Multiple Representations of Proportions

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: GRAPHS OF FUNCTIONS

Study: Graphs of Functions

Show how graphs can be used to represent real-world situations. Interpret increasing, decreasing, flat, and curved sections of graphs.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Graphs of Functions

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Graphs of Functions

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Graphs of Functions

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Graphs of Functions

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 5: WRAP-UP: FUNCTIONS

Review: Functions

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Functions

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 28 points

UNIT 3: LINEAR FUNCTIONS

LESSON 1: COMPARING FUNCTIONS

Study: Comparing Functions

Compare properties of functions, including starting values and rates of change, for functions that are represented in different ways. Representations include tables, graphs, and equations.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Comparing Functions

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Comparing Functions

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Comparing Functions

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Comparing Functions

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: SLOPE-INTERCEPT FORM

Study: Slope-Intercept Form

Identify the slope and y-intercept from a linear equation in slope-intercept form. Determine whether the equation or formula modeling a real-world situation would be linear or nonlinear.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Slope-Intercept Form

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Slope-Intercept Form

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Slope-Intercept Form

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Slope-Intercept Form

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: WRITING LINEAR FUNCTIONS

Study: Writing Linear Functions

Given two points on a line, write an equation for the line. Write linear equations to model real-world situations. Interpret the slope and y-intercept of a linear equation that represents a real-world context.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Writing Linear Functions

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Writing Linear Functions

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Writing Linear Functions

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Writing Linear Functions

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: WRAP-UP: LINEAR FUNCTIONS

Review: Linear Functions

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Linear Functions

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 22 points

UNIT 4: SOLVING EQUATIONS

LESSON 1: SOLVING LINEAR EQUATIONS

Study: Solving Linear Equations

Review methods for solving linear equations. Solve equations, including ones with variables on both sides. Determine whether an equation has 0, 1, or infinitely many solutions.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Solving Linear Equations

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Solving Linear Equations

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Solving Linear Equations

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Solving Linear Equations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: SOLVING SYSTEMS OF LINEAR EQUATIONS

Study: Solving Systems of Linear Equations

Learn what makes up a system of linear equations. Explore different ways to solve a system, including graphing, elimination, and substitution.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Solving Systems of Linear Equations

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Solving Systems of Linear Equations

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Solving Systems of Linear Equations

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Solving Systems of Linear Equations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: SOLVING EQUATIONS USING ROOTS

Study: Solving Equations Using Roots

See how to use square roots and cube roots to solve equations. Use roots to solve real-world problems.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Solving Equations Using Roots

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Solving Equations Using Roots

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Solving Equations Using Roots

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Solving Equations Using Roots

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: WRAP-UP: SOLVING EQUATIONS

Review: Solving Equations

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Solving Equations

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 24 points

UNIT 5: SEMESTER WRAP UP

LESSON 1: SEMESTER WRAP UP

Review: Semester Review

Prepare for the semester exam by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Exam: Semester Exam

Take a computer-scored exam to demonstrate your mastery of concepts and skills covered in this semester.

Duration: 0 hrs 50 mins Scoring: 112 points

UNIT 6: GEOMETRY AND MEASUREMENT

LESSON 1: THE PYTHAGOREAN THEOREM

Study: The Pythagorean Theorem

Learn the Pythagorean theorem and see different proofs that justify it. Given two side lengths in a right triangle, use the Pythagorean theorem to solve for the length of the third side.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: The Pythagorean Theorem

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: The Pythagorean Theorem

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: The Pythagorean Theorem

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: The Pythagorean Theorem

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: THE CONVERSE OF THE PYTHAGOREAN THEOREM

Study: The Converse of the Pythagorean Theorem

See that the converse of the Pythagorean theorem is also true, and is used to test whether a triangle is a right triangle. Use the converse to test for right triangles. Investigate Pythagorean triples.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: The Converse of the Pythagorean Theorem

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: The Converse of the Pythagorean Theorem

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: The Converse of the Pythagorean Theorem

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: The Converse of the Pythagorean Theorem

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: DISTANCE ON THE COORDINATE PLANE

Study: Distance on the Coordinate Plane

Review how to find distances between horizontally- and vertically-aligned points on a coordinate plane. Use the Pythagorean theorem to find distances between points that are not aligned.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Distance on the Coordinate Plane

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Distance on the Coordinate Plane

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Distance on the Coordinate Plane

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Distance on the Coordinate Plane

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: VOLUME OF CYLINDERS AND CONES

Study: Volume of Cylinders and Cones

Explore the volume formulas for cylinders and cones. Find volumes to solve mathematical and real-world problems.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Volume of Cylinders and Cones

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Volume of Cylinders and Cones

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Volume of Cylinders and Cones

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Volume of Cylinders and Cones

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 5: SPHERES

Study: Spheres

Learn the volume formula for a sphere. Find the volume of a sphere given its radius and vice-versa. Solve problems involving volumes of planets and moons.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Spheres

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Spheres

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Spheres

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Spheres

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 6: WRAP-UP: GEOMETRY AND MEASUREMENT

Review: Geometry and Measurement

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Geometry and Measurement

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 34 points

UNIT 7: TRANSFORMATIONS, CONGRUENCE, AND SIMILARITY, PART 1

LESSON 1: BASICS OF TRANSFORMATIONS

Study: Basics of Transformations

Learn about three transformations: translations, reflections, and rotations. Investigate transformations of line segments, lines, and parallel lines.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Basics of Transformations

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Basics of Transformations

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Basics of Transformations

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Basics of Transformations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: TRANSFORMATIONS AND CONGRUENCE

Study: Transformations and Congruence

Discover that figures are congruent if there is a series of translations, rotations, and reflections that moves one onto the other. Write congruence statements that show the correspondence between vertices of congruent figures.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Transformations and Congruence

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Transformations and Congruence

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Transformations and Congruence

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Transformations and Congruence

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: TRANSFORMATIONS IN THE COORDINATE PLANE

Study: Transformations in the Coordinate Plane

Investigate transformations using coordinates. Learn and apply mathematical rules to describe translations, rotations, reflections, and dilations.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Transformations in the Coordinate Plane

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Transformations in the Coordinate Plane

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Transformations in the Coordinate Plane

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Transformations in the Coordinate Plane

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: WRAP-UP: TRANSFORMATIONS, CONGRUENCE, AND SIMILARITY, PART 1

Review: Transformations, Congruence, and Similarity, Part 1

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Transformations, Congruence, and Similarity, Part 1

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 22 points

UNIT 8: TRANSFORMATIONS, CONGRUENCE, AND SIMILARITY, PART 2

LESSON 1: SIMILARITY AND DILATIONS

Study: Similarity and Dilations

Learn about what makes figures similar, and the relationship between similar figures and dilations. Find the coordinates of the vertices of the dilation of a figure. Explore movements of figures under multiple transformations.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Similarity and Dilations

Check your understanding of the lesson.

Duration: 0 hrs 20 mins Scoring: 0 points

Review: Similarity and Dilations

Review important ideas and skills from this lesson.

Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Similarity and Dilations

Submit your work for a set of practice problems.

Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Similarity and Dilations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: PARALLEL LINES AND ANGLE RELATIONSHIPS

Study: Parallel Lines and Angle Relationships

Investigate the angles formed when lines are cut by a transversal. Use angle relationships to decide whether lines are parallel and to find unknown angle measures.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Parallel Lines and Angle Relationships
Check your understanding of the lesson.
Duration: 0 hrs 20 mins Scoring: 0 points

Review: Parallel Lines and Angle Relationships
Review important ideas and skills from this lesson.
Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Parallel Lines and Angle Relationships
Submit your work for a set of practice problems.
Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Parallel Lines and Angle Relationships
Take a quiz to assess your understanding of the material.
Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: ANGLE RELATIONSHIPS IN TRIANGLES

Study: Angle Relationships in Triangles
Discover that the sum of the angle measures in a triangle is always the same. Find the relationship between the measures of an exterior angle of a triangle and its remote interior angles. Use these properties to find unknown angle measures.
Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Angle Relationships in Triangles
Check your understanding of the lesson.
Duration: 0 hrs 20 mins Scoring: 0 points

Review: Angle Relationships in Triangles
Review important ideas and skills from this lesson.
Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Angle Relationships in Triangles
Submit your work for a set of practice problems.
Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Angle Relationships in Triangles
Take a quiz to assess your understanding of the material.
Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: WRAP-UP: TRANSFORMATIONS, CONGRUENCE, AND SIMILARITY, PART 2

Review: Transformations, Congruence, and Similarity, Part 2
Prepare for the unit test by reviewing key concepts and skills.
Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Transformations, Congruence, and Similarity, Part 2
Take a computer-scored test to assess what you have learned in this unit.
Duration: 0 hrs 45 mins Scoring: 22 points

UNIT 9: DATA AND STATISTICS

LESSON 1: SCATTERPLOTS

Study: Scatterplots
See how scatterplots are used to show paired data. Look for patterns and relationships in scatterplots, and identify the association, if any, shown in the data.
Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Scatterplots

Check your understanding of the lesson.
Duration: 0 hrs 20 mins Scoring: 0 points

Review: Scatterplots
Review important ideas and skills from this lesson.
Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Scatterplots
Submit your work for a set of practice problems.
Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Scatterplots
Take a quiz to assess your understanding of the material.
Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 2: LINEAR MODELS IN DATA

Study: Linear Models in Data
Draw trend lines to approximate data on scatterplots. Write equations for trend lines and use those equations to make predictions.
Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Linear Models in Data
Check your understanding of the lesson.
Duration: 0 hrs 20 mins Scoring: 0 points

Review: Linear Models in Data
Review important ideas and skills from this lesson.
Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Linear Models in Data
Submit your work for a set of practice problems.
Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Linear Models in Data
Take a quiz to assess your understanding of the material.
Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 3: FREQUENCY TABLES

Study: Frequency Tables
Build two-way frequency tables and relative frequency tables. Interpret the data in tables and compare relative frequencies.
Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Frequency Tables
Check your understanding of the lesson.
Duration: 0 hrs 20 mins Scoring: 0 points

Review: Frequency Tables
Review important ideas and skills from this lesson.
Duration: 0 hrs 5 mins Scoring: 0 points

Practice: Frequency Tables
Submit your work for a set of practice problems.
Duration: 0 hrs 30 mins Scoring: 5 points

Quiz: Frequency Tables
Take a quiz to assess your understanding of the material.
Duration: 0 hrs 10 mins Scoring: 10 points

LESSON 4: WRAP-UP: DATA AND STATISTICS

Review: Data and Statistics

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Test (CS): Data and Statistics

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 45 mins Scoring: 24 points

UNIT 10: SEMESTER WRAP UP

LESSON 1: SEMESTER WRAP UP

Review: Semester Review

Prepare for the semester exam by reviewing key concepts and skills.

Duration: 0 hrs 20 mins Scoring: 0 points

Exam: Semester Exam

Take a computer-scored exam to demonstrate your mastery of concepts and skills covered in this semester.

Duration: 0 hrs 50 mins Scoring: 102 points