

Cocalico School District
Year-at-a-Glance - Curriculum Overview

Department: Cocalico Connections Course: MS Algebra IA Grade Level: 7

Outline for the course:

[Operations with Rational Numbers](#)

[Operations with Integers](#)

[Integers and the Number Line](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How are integers used to represent real-world situations?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice representing integers.

[Quiz Answers](#)

[Using Properties of Operations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use properties of operations to evaluate expressions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve a problem about planning a field trip, and write about your solution.

[Quiz Answers](#)

[Adding Integers](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you add integers in real-world situations?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems by adding integers and write about the solutions.

[Quiz Answers](#)

[Subtracting Integers](#) [Guided Notes](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Warm-Up

Get ready for the lesson.

Instruction

How can you subtract integers in real-world situations?

Assignment

Investigate the distance between two integers.

Instruction

How can you subtract integers in real-world situations?

Summary

Review and connect what you learned.

Assignment

Solve problems about a lemonade stand, and write about the solutions.

Quiz Answers

Multiplying Integers Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you multiply integers?

Summary

Review and connect what you learned.

Assignment

Practice multiplying integers.

Quiz Answers

Dividing Integers Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you divide integers?

Summary

Review and connect what you learned.

Assignment

Practice dividing integers.

Quiz Answers

Operations with Integers Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you simplify integer expressions that contain more than one operation?

Summary

Review and connect what you learned.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Practice using the order of operations.

[Quiz Answers](#)

[Solving Problems Involving Integers](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve real-world problems involving integers?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Write and evaluate expressions involving integers.

[Quiz Answers](#)

[Operations with Decimals and Fractions](#)

[Adding and Subtracting Decimals](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How are decimals added and subtracted?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice adding and subtracting decimals.

[Multiplying Decimals](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you find the product of positive and negative decimals?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve and write about multiplying decimals.

[Dividing Decimals](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you find the quotient of positive and negative decimals?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Cocalico School District
Year-at-a-Glance - Curriculum Overview

Practice dividing decimals.

[Solving Problems Involving Decimals](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you perform multiple operations on decimals?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice working with decimal expressions.

[Adding and Subtracting Fractions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you add and subtract positive and negative fractions?

[Assignment](#)

Explore adding and subtracting fractions.

[Instruction](#)

How do you add and subtract positive and negative fractions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice adding and subtracting fractions.

[Multiplying Fractions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you multiply positive and negative fractions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving multiplying fractions and write about the solutions.

[Dividing Fractions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you divide positive and negative fractions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice dividing fractions.

Cocalico School District
Year-at-a-Glance - Curriculum Overview

[Solving Problems Involving Rational Numbers](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use the order of operations to solve real-world problems involving rational numbers?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve a real-world problem and write about the solution.

[Expressions and Equations](#)

[Variable Expressions](#)

[Understanding Expressions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What are algebraic expressions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving problems involving expressions.

[Quiz Answers](#)

[Writing Expressions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you translate algebraic expressions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice translating algebraic expressions.

[Quiz Answers](#)

[Writing and Evaluating Expressions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can an algebraic expression help you solve a real-world problem?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice evaluating algebraic expressions.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Quiz Answers](#)

[Adding and Subtracting Expressions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you add and subtract algebraic expressions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems by adding and subtracting expressions, and write about the solutions.

[Quiz Answers](#)

[Real-World Applications of Expressions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you apply algebraic expressions to solve problems?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve real-world problems involving expressions and write about the solutions.

[Quiz Answers](#)

[Equations](#)

[Writing Equations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you translate words into equations?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving equations and write about the solutions.

[Quiz Answers](#)

[Addition and Subtraction Equations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve one-step addition and subtraction equations?

[Summary](#)

Review and connect what you learned.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Solve problems involving addition and subtraction equations and write about the solutions.

[Quiz Answers](#)

[Multiplication and Division Equations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve one-step multiplication and division equations?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving equations.

[Quiz Answers](#)

[Solving Two-Step Equations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve a two-step equation?

[Assignment](#)

Explore solving two-step equations.

[Instruction](#)

How can you solve a two-step equation?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving two-step equations.

[Quiz Answers](#)

[Solving Multi-Step Equations](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve multi-step equations that include parentheses?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving multi-step equations.

[Quiz Answers](#)

[Equations in the Real World](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Instruction](#)

How can you use equations to solve real-world problems?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice using equations to solve real-world problems.

[Quiz Answers](#)

[Inequalities](#)

[Writing Inequalities](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you write inequalities?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice writing and interpreting inequalities.

[Quiz Answers](#)

[Graphing Inequalities](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How do you graph an inequality?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice relating inequalities to their graphs.

[Quiz Answers](#)

[Addition and Subtraction Inequalities](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve addition and subtraction inequalities?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving inequalities and write about the solutions.

[Quiz Answers](#)

[Multiplication and Division Inequalities](#) [Guided Notes](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Warm-Up

Get ready for the lesson.

Assignment

Explore properties of inequalities.

Instruction

How can you use multiplication and division to solve an inequality?

Summary

Review and connect what you learned.

Assignment

Practice solving inequalities.

Quiz Answers

Solving Two-Step Inequalities Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you solve two-step inequalities?

Summary

Review and connect what you learned.

Assignment

Practice solving problems involving two-step inequalities.

Quiz Answers

Inequalities in the Real World Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can inequalities be used to solve real-world problems?

Summary

Review and connect what you learned.

Assignment

Solve real-world problems involving inequalities and write about the solutions.

Quiz Answers

Proportional Relationships

Rates and Proportions

Unit Rates Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can unit rates and proportional reasoning be used to solve problems?

Summary

Review and connect what you learned.

Cocalico School District Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Practice with ratios, unit rates, and proportional reasoning.

[Quiz Answers](#)

[Finding a Constant of Proportionality](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you describe a proportional relationship with a number?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice finding the constant of proportionality.

[Quiz Answers](#)

[Applications of Unit Rates](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How are unit rates used in the real world?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve and write about real-world unit rate problems.

[Quiz Answers](#)

[Graphing Proportional Relationships](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can graphs on the coordinate plane represent proportional relationships?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve and write about proportions with graphs.

[Quiz Answers](#)

[Identifying Proportional Relationships](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can proportional relationships be identified in tables and graphs?

[Summary](#)

Review and connect what you learned.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Practice analyzing relationships to determine proportionality.

[Quiz Answers](#)

[Equations of Proportional Relationships](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you represent proportional relationships?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Explore how to represent proportional relationships.

[Assignment](#)

Practice representing proportional relationships in different ways.

[Quiz Answers](#)

[Proportions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use proportions to solve problems?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems about a recipe and write about the solutions.

[Quiz Answers](#)

[Cross Products](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What are cross products, and how do they relate to proportions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving proportions and write about the solutions.

[Quiz Answers](#)

[Percents and Proportions](#)

[Introduction to Percents](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Instruction

How can you use different forms of a number to solve percent problems?

Summary

Review and connect what you learned.

Assignment

Solve and write about problems involving percents.

Quiz Answers

Finding a Percent of a Number Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you use expressions to find the percent of a number?

Summary

Review and connect what you learned.

Assignment

Solve a problem about repairing computers and write about the solution.

Quiz Answers

Estimating with Percents Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you estimate with percents?

Summary

Review and connect what you learned.

Assignment

Solve and write about an estimation problem using percent.

Quiz Answers

Finding a Total Amount Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you use expressions and diagrams to find total amounts in percent problems?

Summary

Review and connect what you learned.

Assignment

Solve and write about total amounts in percent problems.

Quiz Answers

Markups and Markdowns Guided Notes

Warm-Up

Get ready for the lesson.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Markups and Markdowns

[Instruction](#)

How can you find the price after a markup or markdown?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Find the markup and markdown prices.

[Quiz Answers](#)

[Finding an Original Amount](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you find the original amount in real-world percent problems?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems about selling cameras and write about the solutions.

[Quiz Answers](#)

[Simple Interest](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What is simple interest and how is it used every day?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice using the simple interest formula.

[Quiz Answers](#)

[Percent Increase and Decrease](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can a percent be used to describe a change in quantity?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice finding percent change.

[Quiz Answers](#)

[Applications of Percent](#) [Guided Notes](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Warm-Up

Get ready for the lesson.

Instruction

How do you solve real-world problems that involve multiple percents?

Summary

Review and connect what you learned.

Assignment

Practice solving percent problems.

Quiz Answers

Geometry

Scale and Proportion

Scale Factor Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How is proportional reasoning used to solve scale drawing problems?

Summary

Review and connect what you learned.

Assignment

Practice finding dimensions using scale factors.

Quiz Answers

Determining a Scale Factor Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How do you determine a scale factor and use it to find other measures?

Summary

Review and connect what you learned.

Assignment

Explore the scale factor of scale drawings.

Assignment

Practice finding a scale factor and using it to find missing measures.

Quiz Answers

Solving Scale Problems Using Proportions Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How do you use proportions to calculate missing dimensions in scale drawings?

Summary

Review and connect what you learned.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Assignment](#)

Practice using proportions to find missing measures.

[Quiz Answers](#)

[Scale Drawings and Area](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve area problems with scale drawings?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving area problems with scale drawings.

[Quiz Answers](#)

[Two-Dimensional Geometry](#)

[Angle Relationships](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use angle relationships to find unknown angles?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice analyzing angle-pair relationships.

[Quiz Answers](#)

[Parallel Lines Cut by a Transversal](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What angle relationships exist when parallel lines are cut by a transversal?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving parallel lines cut by a transversal and write about your results.

[Quiz Answers](#)

[Finding Unknown Angle Measures](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use angle relationships to find unknown measures in a figure?

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice using angle relationships.

[Quiz Answers](#)

[Constructing Triangles](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you determine whether given measures will create a triangle?

[Assignment](#)

Explore the sides and angles of triangles.

[Instruction](#)

How can you determine whether given measures will create a triangle?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice constructing triangles with given dimensions.

[Quiz Answers](#)

[Circumference](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What is circumference of a circle and how is it used to solve problems?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems with circumference of coins and write about the solutions.

[Quiz Answers](#)

[Area of Polygons](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you solve problems involving area of polygons?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems to find the areas of parks, and write about the solutions.

[Quiz Answers](#)

[Area of a Circle](#) [Guided Notes](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Warm-Up

Get ready for the lesson.

Instruction

How do you find the area of a circle and use it to solve problems?

Summary

Review and connect what you learned.

Assignment

Solve problems involving area of tables and write about the solutions.

Quiz Answers

Area of Composite Figures Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you solve problems involving area of composite figures?

Assignment

Explore how to decompose a figure to find its area.

Instruction

How can you solve problems involving area of composite figures?

Summary

Review and connect what you learned.

Assignment

Solve and write about area of swimming pools.

Quiz Answers

Three-Dimensional Geometry

Surface Area of Prisms Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How do you find the surface area of prisms?

Summary

Review and connect what you learned.

Assignment

Explore rectangular and triangular prisms and their two-dimensional nets.

Assignment

Practice recognizing and finding the surface area of rectangular and triangular prisms.

Quiz Answers

Volume of Prisms Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

Cocalico School District
Year-at-a-Glance - Curriculum Overview

How do you calculate the volume of a prism?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice solving problems involving the volume of prisms.

[Quiz Answers](#)

[Statistics and Probability](#)

[Probability](#)

[Understanding Probability](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you represent the likelihood that an event will happen?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice determining the probability of events.

[Quiz Answers](#)

[Theoretical Probability](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What is theoretical probability and how can you use it to make predictions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve and write about theoretical probabilities.

[Quiz Answers](#)

[Experimental Probability](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What is experimental probability?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice using experimental probability.

[Quiz Answers](#)

[Experimental vs. Theoretical Probability](#) [Guided Notes](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Warm-Up

Get ready for the lesson.

Instruction

What is the difference between theoretical probability and experimental probability?

Assignment

Explore the relationship between experimental and theoretical probability using probability models.

Instruction

What is the difference between theoretical probability and experimental probability?

Summary

Review and connect what you learned.

Assignment

Practice with probabilities.

Quiz Answers

Compound Events and Sample Space Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you find all possible outcomes of an experiment?

Summary

Review and connect what you learned.

Assignment

Solve problems involving compound events and write about the solutions.

Quiz Answers

Probability of Compound Events Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How do you calculate the probability for a compound event?

Summary

Review and connect what you learned.

Assignment

Solve problems involving compound events and write about the solutions.

Quiz Answers

Statistics

Populations and Sampling Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

What is a sample of a population?

Summary

Cocalico School District
Year-at-a-Glance - Curriculum Overview

Review and connect what you learned.

[Assignment](#)

Practice exploring populations and samples.

[Quiz Answers](#)

[Sampling Methods](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

What is random sampling, and how is it used in statistics?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice with sampling methods.

[Quiz Answers](#)

[Inferences and Predictions](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use random samples to draw inferences about a population?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems involving inferences and sample size and write about the solutions.

[Quiz Answers](#)

[Multiple Samples](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use multiple samples to make inferences about populations?

[Assignment](#)

Explore sampling with a fish pond.

[Instruction](#)

How can you use multiple samples to make inferences about populations?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice making inferences based on multiple samples.

[Quiz Answers](#)

[Variation in Predictions and Estimates](#) [Guided Notes](#)

[Warm-Up](#)

Cocalico School District **Year-at-a-Glance - Curriculum Overview**

Get ready for the lesson.

[Instruction](#)

How does the analysis of multiple samples affect population predictions?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice using means of samples.

[Quiz Answers](#)

[Analyzing Dot Plots](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you analyze data represented by dot plots?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice analyzing dot plots.

[Quiz Answers](#)

[Comparing Measures of Center and Variability](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you compare measures of center and variability of two sets of data?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems by comparing two sets of data, and write about the solutions.

[Quiz Answers](#)

[Comparing Box Plots](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can you use box plots to compare data?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve problems using box plots to compare data and write about the solutions.

[Quiz Answers](#)

[Comparing Populations](#) [Guided Notes](#)

[Warm-Up](#)

Cocalico School District

Year-at-a-Glance - Curriculum Overview

Get ready for the lesson.

Instruction

How can you compare populations using measures of center and variability?

Summary

Review and connect what you learned.

Assignment

Practice comparing populations using measures of center and measures of variability.

Quiz Answers

Linear Equations

Linear Equations and Functions

Solving with Variables on Both Sides Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you solve equations with variables on both sides of the equals sign?

Summary

Review and connect what you learned.

Assignment

Practice solving equations with variables on both sides.

Assignment

Practice isolating the variable to solve equations with variables on both sides.

Quiz Answers

Solving Real-World Multistep Equations Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How can you solve multistep equations that represent real-world scenarios?

Summary

Review and connect what you learned.

Assignment

Practice writing and solving real-world multistep equations.

Exploring Slope Guided Notes

Warm-Up

Get ready for the lesson.

Instruction

How are slopes different from each other?

Summary

Review and connect what you learned.

Assignment

Practice finding the value of slope from tables and graphs.

Cocalico School District

Year-at-a-Glance - Curriculum Overview

[Quiz Answers](#)

[Proportional Relationships](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How can linear functions represent proportional relationships?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Solve a problem with a proportional relationship, and write about the solution.

[Assignment](#)

Practice solving proportion problems.

[Quiz Answers](#)

[Slope-Intercept Form](#) [Guided Notes](#)

[Warm-Up](#)

Get ready for the lesson.

[Instruction](#)

How does knowing the slope and y-intercept help you graph and write the equation of a line?

[Summary](#)

Review and connect what you learned.

[Assignment](#)

Practice determining and writing slope and y-intercept of linear equations in slope-intercept form.

% of Course Time: Self-paced, to cover all topics in the outline from above

Textbooks & Supplemental Materials: Edgenuity lessons, supplemented by Cocalico Teachers of Record

Assessments: Edgenuity quizzes and tests, performance tasks

Standards Addressed: Contact the Online Learning Facilitator for a supplemental document from Edgenuity outlining any applicable PA Standards address in the course topics. Note that for some courses, there are no PA Standards which may exist.



Eagle P.A.C.T. Course Connections:

Online Learning courses help to prepare students for the diverse ways in which they will learn outside of school. The self-paced, independent nature of virtual courses also helps to develop important skills such as self-advocacy, time management, organization, study skills, and self-discipline. Such skills are needed for a successful future.