



The Correlation of PLATO® Curricula to the Idaho Content Standards

Grade 10 - Mathematics

December 12, 2008

INTRODUCTION

PLATO Learning Inc. combines PLATO computer-assisted instruction into a flexible integrated learning system to enhance instructional effectiveness in education programs. This document identifies PLATO instructional activities that correlate to the Idaho Content Standards : Grade 10, Mathematics, Grade 10. URL: <http://www.sde.state.id.us/instruct/standards/>.

It is recommended that instructors review the correlation in order to fine-tune the activity to fit their educational environment. Modules may be added or removed; Web sites and offline activities may also be incorporated to enhance the learning path.

The following PLATO courseware was used in this correlation report:

- Algebra 1, Part 1**
- Algebra 1, Part 2**
- Algebra 2, Part 1**
- Algebra 2, Part 2**
- Data Skills for Today**
- Foundational Mathematics**
- Geometry 1**
- Geometry 2**
- Math Expeditions H**
- Math Expeditions I**
- Math Problem Solving**
- Miscellaneous Math Resource**
- PLATO Course Algebra 1**
- PLATO Course Algebra 2**
- PLATO Course Geometry**
- PLATO Course Pre-Algebra**
- Trigonometry Skill**

PLATO Learning, Inc. looks forward to supporting your initiatives in providing successful educational programs using PLATO® computer-based lessons.

Inspired solutions for teaching and learning™



Grade 10

Standard I: Number and Operation

Goal I.1: Understand and use numbers.

10.M.1.1.1 Apply properties of rational numbers. (347.01.b)

PLATO Course Pre-Algebra, Semester A
Unit 3 - Decimals
Rational and Irrational Numbers

10.M.1.1.2 Use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation, including application in real world situations. (347.01.a)

PLATO Course Pre-Algebra, Semester A
Unit 1 – Whole Numbers
Solving Addition and Subtraction Story Problems
Solving Multiplication Story Problems
Unit 2 – Fractions
Solving Fraction Story Problems
Unit 3 - Decimals
Rational and Irrational Numbers
Solving Decimal Story Problems
Unit 4 – Ratios and Proportions, Percents, and Measurement
Solving Problems with Percents
PLATO Course Pre-Algebra, Semester B
Unit 1 - Integers
The Additive Inverse of Integers (Pre-AlgB)
Absolute Value of a Number (Pre-AlgB)
Exponents (Pre-AlgB)
Scientific Notation (Pre-AlgB)
Word Problems with Integers (Pre-AlgB)
Algebra I, Part 1
Basic Number Ideas - Algebra I, Part 1
The Additive Inverse of Integers (AlgI.1)
Algebra I, Part 2
Sets and Numbers - Algebra I, Part 2 (AlgI.2)
Additive Inverse of an Integer (AlgI.2)
Equations and Inequalities - Algebra I, Part 2
Absolute Value of a Number (AlgI.2)
Equations with Absolute Values (AlgI.2)

Inspired solutions for teaching and learning™



- Review: Equations and Inequalities (Alg1.2)
- Algebra 2, Part 2
 - Numbers and Their Properties - Algebra 2, Part 2
 - Scientific Notation (Alg2.2)
 - Special Equations and Inequalities - Algebra 2, Part 2
 - Evaluating Expressions with Absolute Value (Alg2.2)
 - Absolute Value, Inequalities, and Interval Notation (Alg2.2)

10.M.1.1.3 Apply properties of exponents. (347.01.c)

- PLATO Course Algebra I, Semester B v2.0
 - Unit 1 - Rational Numbers, Exponents, Radicals, and Sets
 - Applying Laws of Exponents to Simplify Expressions
- PLATO Course Pre-Algebra, Semester B
 - Unit 1 - Integers
 - Exponents: Exponential Form (Pre-AlgB)
 - Exponents: Expanded Form (Pre-AlgB)
 - Exponents: Product Rule (Pre-AlgB)
 - Exponents: Power Rule (Pre-AlgB)
- Algebra I, Part 1
 - Basic Number Ideas - Algebra I, Part 1
 - Exponents: Exponential Form (Alg1.1)
 - Exponents: Expanded Form (Alg1.1)
 - Exponents: Product Rule (Alg1.1)
 - Exponents: Power Rule (Alg1.1)
 - Math Sentences - Algebra I, Part 1
 - Multiplying Monomials (Alg1.1)
 - Dividing Monomials (Alg1.1)
- Algebra I, Part 2
 - Sets and Numbers - Algebra I, Part 2 (Alg1.2)
 - Positive and Negative Exponents (Alg1.2)
 - Integer Exponents and the Product Rule (Alg1.2)
 - Integer Exponents and the Quotient Rule (Alg1.2)
 - Integer Exponents and the Power Rule, Part 1 (Alg1.2)
 - Integer Exponents and the Power Rule, Part 2 (Alg1.2)
 - Review: Exponents and Radicals (Alg1.2)
 - Polynomials and Factoring - Algebra I, Part 2
 - Monomial Product (Alg1.2)
 - Monomial Quotient (Alg1.2)
- Algebra 2, Part 2
 - Numbers and Their Properties - Algebra 2, Part 2
 - Rules for Exponents and Radicals (Alg2.2)



10.M.1.1.4 Identify exact and approximate roots without simplification.

PLATO Course Algebra I, Semester B v2.0
Unit 1 - Rational Numbers, Exponents, Radicals, and Sets
Simplifying Square Roots Using Factors
PLATO Course Pre-Algebra, Semester B
Unit 1 - Integers
Square Roots of Perfect Squares (Pre-AlgB)
Square Roots of Imperfect Squares (Pre-AlgB)
Algebra 1, Part 2
Sets and Numbers - Algebra 1, Part 2 (Alg1.2)
Square Roots of Integers (Alg1.2)
Review: Exponents and Radicals (Alg1.2)
Algebra 2, Part 2
Numbers and Their Properties - Algebra 2, Part 2
Rules for Exponents and Radicals (Alg2.2)

10.M.1.1.5 Solve problems using number theory concepts (factors, multiples, primes). (347.01.d)

PLATO Course Pre-Algebra, Semester A
Unit 2 - Fractions
Finding Factors and Prime Factors
Greatest Common Factors
Simplifying Fractions
Finding Common Multiples and the Least Common Multiple
Working with Common Denominators and the Least Common Denominator
Foundational Mathematics
Understanding Multiplication
Identifying Multiples
Finding Common Multiples and the Least Common Multiple
Understanding Fractions
Working with Common Denominators and the Least Common Denominator
Algebra 1, Part 1
Basic Number Ideas - Algebra 1, Part 1
Prime and Composite Numbers (Alg1.1)
Multiplying Common Fractions (Alg1.1)
Adding and Subtracting Fractions (Alg1.1)
Algebra 1, Part 2
Sets and Numbers - Algebra 1, Part 2 (Alg1.2)
Review: Fractions and Sets (Alg1.2)

Inspired solutions for teaching and learning™



10.M.1.1.6 Use appropriate vocabulary.

PLATO Modules use common, grade-level appropriate vocabulary in each activity and provide glossaries for additional assistance in defining unknown words.

Goal 1.2: Perform computations accurately.

10.M.1.2.1 Use the order of operations and perform operations with rational numbers. (347.02.a)

PLATO Course Algebra I, Semester B v2.0
Unit 1 - Rational Numbers, Exponents, Radicals, and Sets
Applying Laws of Exponents to Simplify Expressions
PLATO Course Pre-Algebra, Semester A
Unit 2 - Fractions
Dividing Fractions (Pre-AlgA)
PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Order of Operations (Pre-AlgB)
Expressions in 2 or More Variables (Pre-AlgB)
Algebra I, Part 2
Sets and Numbers - Algebra I, Part 2 (AlgI.2)
Adding Fractions (AlgI.2)
Subtracting Fractions (AlgI.2)
Product of Fractions (AlgI.2)
Quotient of Fractions (AlgI.2)
Review: Fractions and Sets (AlgI.2)

Goal 1.3: Estimate and judge reasonableness of results.

10.M.1.3.1 Apply number sense to everyday situations and judge reasonableness of results. (347.03.a)

Math Problem Solving
Math Fundamentals: Math Problem Solving
Building a Highway: Math Fundamentals: Math Problem Solving
Running a Business: Math Fundamentals: Math Problem Solving
Data Skills: Math Problem Solving
Planning a Playground: Data Skills: Math Problem Solving
Growing Lilies: Data Skills: Math Problem Solving
Beginning Algebra: Math Problem Solving
Plan for a Fishing Trip: Beginning Algebra: Math Problem Solving

Inspired solutions for teaching and learning™



Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
Intermediate Algebra: Math Problem Solving
Running a Race: Intermediate Algebra: Math Problem Solving
Advanced Algebra: Math Problem Solving
Car Rental: Advanced Algebra: Math Problem Solving
Building Boats: Advanced Algebra: Math Problem Solving
Saving the Birds: Advanced Algebra: Math Problem Solving
Geometry and Measurement: Math Problem Solving
Planning a Park: Geometry and Measurement: Math Problem Solving
Shelf Space: Geometry and Measurement: Math Problem Solving
Probability and Statistics: Math Problem Solving
The Fund Raiser: Probability and Statistics: Math Problem Solving
Making the Grade: Probability and Statistics: Math Problem Solving
Statistics for Quality: Probability and Statistics: Math Problem Solving
PLATO Course Geometry, Semester A v2.0
Unit 1 - Geometry Basics, Points, Lines, Planes, and Angles
Problem Solving, Patterns, and Solutions
PLATO Course Pre-Algebra, Semester A
Unit 1 - Whole Numbers
Estimation Basics (Pre-AlgA)
Estimation by Clustering (Pre-AlgA)
Unit 3 - Decimals
Mental Math with Whole Numbers and Decimals (Pre-AlgA)

10.M.1.3.2 Identify that error accumulates in a computation when there is rounding. (349.05.b)

Algebra I, Part I
Basic Number Ideas - Algebra I, Part I
Mental Math with Whole Numbers and Decimals (AlgI.I)
Special Topics - Algebra I, Part I
Estimation Basics (AlgI.I)
Math Problem Solving
Math Fundamentals: Math Problem Solving
Building a Highway: Math Fundamentals: Math Problem Solving
Beginning Algebra: Math Problem Solving
Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
Intermediate Algebra: Math Problem Solving
Running a Race: Intermediate Algebra: Math Problem Solving
PLATO Course Geometry, Semester A v2.0
Unit 1 - Geometry Basics, Points, Lines, Planes, and Angles
Problem Solving, Patterns, and Solutions
PLATO Course Pre-Algebra, Semester A



Unit 1 - Whole Numbers

Estimation Basics (Pre-AlgA)

Unit 3 - Decimals

Mental Math with Whole Numbers and Decimals (Pre-AlgA)

Standard 2: Concepts and Principles of Measurement

Goal 2.1: Understand and use U.S. customary and metric measurements.

10.M.2.1.1 Given the formulas, find the circumference, perimeter, or area of triangles, circles, and quadrilaterals, the volume of spheres, non-oblique prisms, cylinders, and cones, and the surface area of spheres, non-oblique prisms, cylinders, and right square-based pyramids. (349.01.a)

Math Problem Solving

Geometry and Measurement: Math Problem Solving

Planning a Park: Geometry and Measurement: Math Problem Solving

Shelf Space: Geometry and Measurement: Math Problem Solving

PLATO Course Geometry, Semester A v2.0

Unit 3 - Polygons and Area

Calculating Perimeter of Geometric Figures

Unit 4 - Solid Figures and Volume

Surface Area and Volume of a Sphere

PLATO Course Geometry, Semester B v2.0

Unit 3 - Circles

Circumference, Arc, and Length

PLATO Course Pre-Algebra, Semester B

Unit 2 - Geometry

Finding the Perimeter of Polygons

Radius, Diameter, Circumference, and Pi

Calculating the Area of Rectangles and Squares (Pre-AlgB)

Area, Part 1 (Pre-AlgB)

Area, Part 2 (Pre-AlgB)

Calculating the Volume of a Rectangular Prism (Pre-AlgB)

Surface Area of Prisms, Pyramids, and Cylinders

Using Geometry (Pre-AlgB)

Foundational Mathematics

Plane and Solid Figures

Introduction to Circles

Using Geometry

Calculating the Area of Rectangles and Squares

Calculating the Area of Triangles

Calculating the Volume of a Rectangular Prism

Inspired solutions for teaching and learning™



- Geometry I
 - Geometry
 - Circles, Arcs, and Circumferences
 - Using Geometry
 - Measurement
 - Area, Part 1
 - Area, Part 2
 - Volume
 - Using Measurement
- Geometry 2
 - Transformations, Symmetry, and Area
 - Area of Right Triangles and Parallelograms
 - Area of Any Triangle
 - Area of Trapezoids and Rhombuses
 - Circles
 - Measuring Circumference
 - The Area of Circles
 - Solids and Coordinate Geometry
 - Area and Volume of Cylinders
 - Area and Volume of Cones

10.M.2.1.2 Solve problems involving circumference, perimeter, or area of triangles, circles, and rectangles.

- Math Problem Solving
 - Geometry and Measurement: Math Problem Solving
 - Planning a Park: Geometry and Measurement: Math Problem Solving
 - Shelf Space: Geometry and Measurement: Math Problem Solving
- PLATO Course Geometry, Semester A v2.0
 - Unit 3 - Polygons and Area
 - Calculating Perimeter of Geometric Figures
- PLATO Course Geometry, Semester B v2.0
 - Unit 3 - Circles
 - Circumference, Arc, and Length
- PLATO Course Pre-Algebra, Semester B
 - Unit 2 - Geometry
 - Finding the Perimeter of Polygons
 - Radius, Diameter, Circumference, and Pi
 - Calculating the Area of Rectangles and Squares (Pre-AlgB)
 - Area, Part 1 (Pre-AlgB)
 - Area, Part 2 (Pre-AlgB)
 - Using Geometry (Pre-AlgB)
- Foundational Mathematics



- Plane and Solid Figures
 - Introduction to Circles
- Using Geometry
 - Calculating the Area of Rectangles and Squares
 - Calculating the Area of Triangles
- Geometry I
 - Geometry
 - Circles, Arcs, and Circumferences
 - Using Geometry
 - Measurement
 - Area, Part 1
 - Area, Part 2
- Geometry 2
 - Transformations, Symmetry, and Area
 - Area of Right Triangles and Parallelograms
 - Area of Any Triangle
 - Area of Trapezoids and Rhombuses
 - Circles
 - Measuring Circumference
 - The Area of Circles

Goal 2.2: Apply the concepts of rates, ratios, and proportions.

10.M.2.2.1 Use rates, ratios, proportions, map scales, and scale factors (one- and two-dimensional) in problem-solving situations. (349.03.a)

- Math Problem Solving
 - Math Fundamentals: Math Problem Solving
 - Building a Highway: Math Fundamentals: Math Problem Solving
 - Smart Shopping: Math Fundamentals: Math Problem Solving
 - Car Costs: Math Fundamentals: Math Problem Solving
 - Running a Business: Math Fundamentals: Math Problem Solving
 - Beginning Algebra: Math Problem Solving
 - Plan for a Fishing Trip: Beginning Algebra: Math Problem Solving
 - Bean Counting: Beginning Algebra: Math Problem Solving
 - Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
 - Advanced Algebra: Math Problem Solving
 - Building Boats: Advanced Algebra: Math Problem Solving
 - Saving the Birds: Advanced Algebra: Math Problem Solving
 - Geometry and Measurement: Math Problem Solving
 - Planning a Park: Geometry and Measurement: Math Problem Solving
 - Shelf Space: Geometry and Measurement: Math Problem Solving
 - Probability and Statistics: Math Problem Solving



The Fund Raiser: Probability and Statistics: Math Problem Solving
PLATO Course Pre-Algebra, Semester A
Unit 4 - Ratios and Proportions, Percents, and Measurement
Scaling and Proportion, Part 1 (Pre-AlgA)
Scaling and Proportion, Part 2 (Pre-AlgA)
PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)
Foundational Mathematics
Understanding Ratio and Proportion
Understanding Ratio
Understanding Proportion
Solving Proportions
Solving Ratio, Proportion, and Percent Story Problems
Algebra 1, Part 2
Equations and Inequalities - Algebra 1, Part 2
Solving Problems With Linear Equations in 1 Variable (Alg1.2)
Geometry 2
Triangles and Lines
A Sense of Proportion

10.M.2.2.2 Apply concepts of rates and direct and indirect measurements.

Math Problem Solving
Beginning Algebra: Math Problem Solving
Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
Intermediate Algebra: Math Problem Solving
Running a Race: Intermediate Algebra: Math Problem Solving
Geometry and Measurement: Math Problem Solving
Shelf Space: Geometry and Measurement: Math Problem Solving
PLATO Course Geometry, Semester B v2.0
Unit 4 - Geometry of the Coordinate Plane
Dimensional Analysis for Unit Conversion
PLATO Course Pre-Algebra, Semester A
Unit 4 - Ratios and Proportions, Percents, and Measurement
Scaling and Proportion, Part 1 (Pre-AlgA)
Scaling and Proportion, Part 2 (Pre-AlgA)

10.M.2.2.3 Construct equivalent units, comparable units, and conversions. (349.02.a)

Math Problem Solving
Math Fundamentals: Math Problem Solving

Inspired solutions for teaching and learning™



Building a Highway: Math Fundamentals: Math Problem Solving
Smart Shopping: Math Fundamentals: Math Problem Solving
Car Costs: Math Fundamentals: Math Problem Solving
Running a Business: Math Fundamentals: Math Problem Solving
Beginning Algebra: Math Problem Solving
Plan for a Fishing Trip: Beginning Algebra: Math Problem Solving
Bean Counting: Beginning Algebra: Math Problem Solving
Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
Advanced Algebra: Math Problem Solving
Building Boats: Advanced Algebra: Math Problem Solving
Saving the Birds: Advanced Algebra: Math Problem Solving
Geometry and Measurement: Math Problem Solving
Planning a Park: Geometry and Measurement: Math Problem Solving
Shelf Space: Geometry and Measurement: Math Problem Solving
Probability and Statistics: Math Problem Solving
The Fund Raiser: Probability and Statistics: Math Problem Solving
PLATO Course Pre-Algebra, Semester A
Unit 3 - Decimals
Fractions and Repeating Decimals
Unit 4 - Ratios and Proportions, Percents, and Measurement
Scaling and Proportion, Part 2 (Pre-AlgA)
PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)
Foundational Mathematics
Understanding Fractions
Finding Equivalent Fractions
Understanding Decimals
Understanding Decimals: Tenths
Relating Decimals, Fractions, and Mixed Numbers
Working with Percent
Understanding Percent
Relating Fractions, Decimals, and Percents
Understanding Ratio and Proportion
Understanding Ratio
Equivalent Ratios
Understanding Proportion
Solving Ratio, Proportion, and Percent Story Problems
Algebra 1, Part 2
Equations and Inequalities - Algebra 1, Part 2
Solving Problems With Linear Equations in 1 Variable (Alg1.2)
Geometry 2
Triangles and Lines

Inspired solutions for teaching and learning™



A Sense of Proportion

Goal 2.3: Apply dimensional analysis.

10.M.2.3.1 Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature. (349.04.a)

Math Problem Solving

Beginning Algebra: Math Problem Solving

Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving

Intermediate Algebra: Math Problem Solving

Running a Race: Intermediate Algebra: Math Problem Solving

Geometry and Measurement: Math Problem Solving

Planning a Park: Geometry and Measurement: Math Problem Solving

Shelf Space: Geometry and Measurement: Math Problem Solving

PLATO Course Geometry, Semester B v2.0

Unit 4 - Geometry of the Coordinate Plane

Dimensional Analysis for Unit Conversion

PLATO Course Pre-Algebra, Semester B

Unit 2 - Geometry

Finding the Perimeter of Polygons

Surface Area of Prisms, Pyramids, and Cylinders

Foundational Mathematics

Measurement

Solving Measurement Story Problems

Geometry I

Measurement

Volume

Using Measurement

Goal 2.4: Apply appropriate techniques and tools to determine measurements.

10.M.2.4.1 Determine and use appropriate units. (349.01.a)

Math Problem Solving

Geometry and Measurement: Math Problem Solving

Planning a Park: Geometry and Measurement: Math Problem Solving

Shelf Space: Geometry and Measurement: Math Problem Solving



10.M.2.4.2 Approximate error in measurement situations.

PLATO Modules are not available for this learning expectation.

Standard 3: Concepts and Language of Algebra and Functions

Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.

10.M.3.1.1 Represent mathematical relationships using variables, expressions, linear equations and inequalities. (350.01.a)

Math Problem Solving

Beginning Algebra: Math Problem Solving

Plan for a Fishing Trip: Beginning Algebra: Math Problem Solving

Intermediate Algebra: Math Problem Solving

Video Rental: Intermediate Algebra: Math Problem Solving

Running a Race: Intermediate Algebra: Math Problem Solving

Advanced Algebra: Math Problem Solving

Car Rental: Advanced Algebra: Math Problem Solving

Building Boats: Advanced Algebra: Math Problem Solving

Saving the Birds: Advanced Algebra: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Expressions in 1 Variable (Pre-AlgB)

Expressions in 2 or More Variables (Pre-AlgB)

Literal Equations (Pre-AlgB)

Using Linear Equations to Solve Problems (Pre-AlgB)

Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)

Algebra I, Part 1

Math Sentences - Algebra I, Part 1

Expressions in 1 Variable (AlgI.1)

Algebra I, Part 2

Equations and Inequalities - Algebra I, Part 2

Solving Problems With Linear Equations in 1 Variable (AlgI.2)



Goal 3.2: Evaluate algebraic expressions.

10.M.3.2.1 Use appropriate procedures for manipulating and simplifying algebraic expressions involving variables, integers, and rational numbers. (350.02.a)

- PLATO Course Algebra I, Semester B v2.0
 - Unit 1 - Rational Numbers, Exponents, Radicals, and Sets
 - Applying Laws of Exponents to Simplify Expressions
- PLATO Course Pre-Algebra, Semester B
 - Unit 4 - Expressions, Equations, and Inequalities
 - Order of Operations (Pre-AlgB)
 - Expressions in 1 Variable (Pre-AlgB)
 - Expressions in 2 or More Variables (Pre-AlgB)
 - Adding Monomials (Pre-AlgB)
 - Subtracting Monomials (Pre-AlgB)
 - Subtracting Binomials and Monomials (Pre-AlgB)
 - Determining the Truth Value of a Statement (Pre-AlgB)
- Algebra I, Part 1
 - Math Sentences - Algebra I, Part 1
 - Expressions in 1 Variable (Alg1.1)
- Algebra I, Part 2
 - Polynomials and Factoring - Algebra I, Part 2
 - Value of a Polynomial (Alg1.2)
 - Polynomial Sum (Alg1.2)
 - Polynomial Difference (Alg1.2)
 - Simplifying Polynomial Expressions (Alg1.2)
- Algebra 2, Part 1
 - Rational Expressions - Algebra 2, Part 1
 - Evaluating Rational Expressions (Alg 2.1)
- Algebra 2, Part 2
 - Numbers and Their Properties - Algebra 2, Part 2
 - Simplifying Algebraic Expressions (Alg2.2)

Goal 3.3: Solve algebraic equations and inequalities.

10.M.3.3.1 Use appropriate procedures to solve multi-step, first-degree equations and inequalities; such as $3(2x - 5) = 5x + 7$ or $3(2x - 5) > 5x + 7$. (350.03.a)

- Math Problem Solving
 - Intermediate Algebra: Math Problem Solving

Inspired solutions for teaching and learning™



Video Rental: Intermediate Algebra: Math Problem Solving
PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

More Difficult Linear Equations in 1 Variable (Pre-AlgB)

Linear Inequalities in 1 Variable, Part 1 (Pre-AlgB)

Linear Inequalities in 1 Variable, Part 2 (Pre-AlgB)

More Difficult Linear Inequalities in 1 Variable (Pre-AlgB)

Algebra 1, Part 2

Equations and Inequalities - Algebra 1, Part 2

More Difficult Linear Equations in 1 Variable (Alg1.2)

Linear Inequalities in 1 Variable, Part 1 (Alg1.2)

Linear Inequalities in 1 Variable, Part 2 (Alg1.2)

Linear Inequalities in 1 Variable, Part 3 (Alg1.2)

Review: Equations and Inequalities (Alg1.2)

Algebra 2, Part 2

Special Equations and Inequalities - Algebra 2, Part 2

Graphing Linear Inequalities in 1 Variable (Alg2.2)

10.M.3.3.2 Differentiate between linear and non-linear equations and graphs.

Math Problem Solving

Advanced Algebra: Math Problem Solving

Building Boats: Advanced Algebra: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Linear Patterns (Pre-AlgB)

Interpreting Graphs to Solve Problems (Pre-AlgB)

Algebra 1, Part 1

Introduction to Functions - Algebra 1, Part 1

Linear Patterns (Alg1.1)

Algebra 2, Part 2

Functions and Their Graphs - Algebra 2, Part 2

Solving Problems with Linear Functions (Alg2.2)

Goal 3.4: Solve simple linear systems of equations.

10.M.3.4.1 Use appropriate procedures to solve linear systems of equations involving two variables; such as $x + y = 7$ and $2x + 3y = 21$. (350.04.a)

Math Problem Solving

Intermediate Algebra: Math Problem Solving

Inspired solutions for teaching and learning™



Video Rental: Intermediate Algebra: Math Problem Solving
Running a Race: Intermediate Algebra: Math Problem Solving
Advanced Algebra: Math Problem Solving
Car Rental: Advanced Algebra: Math Problem Solving
Building Boats: Advanced Algebra: Math Problem Solving
PLATO Course Algebra 1, Semester A v2.0
Unit 4 - Linear Relations, Systems, Functions, and Special Topics
Solving Systems of Linear Inequalities by Graphing
Algebra 2, Part 1
Linear Systems of Equations and Inequalities - Algebra 2, Part 1
Solving Linear Systems of Equations: Graphs (Alg2.1)
Solving Linear Systems of Inequalities: Graphs (Alg2.1)
Solving Problems with Linear Systems (Alg2.1)
Review: Linear Systems (Alg2.1)

Goal 3.5: Understand the concept of functions.

10.M.3.5.1 Given graphs, charts, ordered pairs, mappings, or equations, determine whether a relation is a function.

PLATO Course Algebra 1, Semester A v2.0
Unit 4 - Linear Relations, Systems, Functions, and Special Topics
Determining Whether a Relation is a Function
Algebra 2, Part 2
Functions and Their Graphs - Algebra 2, Part 2
Defining a Function with Its Rule (Alg2.2)
Finding Values of a Function Using Its Rule (Alg2.2)
Equations and Graphs of Functions, Part 1 (Alg2.2)

10.M.3.5.2 Evaluate functions written in functional notation.

Math Problem Solving
Advanced Algebra: Math Problem Solving
Building Boats: Advanced Algebra: Math Problem Solving
PLATO Course Algebra 2, Semester B v2.0
Unit 2 - Conic Sections, Functions, and Special Topics
Operations on Functions
Algebra 2, Part 2
Functions and Their Graphs - Algebra 2, Part 2
Finding Values of a Function Using Its Rule (Alg2.2)
Translations and Transformations (Alg2.2)
Functional Values (Alg2.2)
Composite Functions (Alg2.2)



10.M.3.5.3 Given a function, identify domain and range.

PLATO Course Algebra 1, Semester A v2.0
Unit 4 - Linear Relations, Systems, Functions, and Special Topics
Finding the Domain and Range of a Function
Algebra 2, Part 2
Functions and Their Graphs - Algebra 2, Part 2
Finding Values of a Function Using Its Rule (Alg2.2)
Composite Functions (Alg2.2)
Domain Values of Composite Functions (Alg2.2)

Goal 3.6: Apply functions to a variety of problems.

10.M.3.6.1 Model and solve real-world phenomena using multi-step, first degree, single variable equations and inequalities, linear equations, and two-variable linear systems of equations. (353.01.a)

Math Problem Solving
Beginning Algebra: Math Problem Solving
Plan for a Fishing Trip: Beginning Algebra: Math Problem Solving
Bean Counting: Beginning Algebra: Math Problem Solving
Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
Intermediate Algebra: Math Problem Solving
Video Rental: Intermediate Algebra: Math Problem Solving
Running a Race: Intermediate Algebra: Math Problem Solving
Advanced Algebra: Math Problem Solving
Car Rental: Advanced Algebra: Math Problem Solving
Building Boats: Advanced Algebra: Math Problem Solving
Saving the Birds: Advanced Algebra: Math Problem Solving
PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Literal Equations (Pre-AlgB)
Using Linear Equations to Solve Problems (Pre-AlgB)
Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)
Linear Patterns (Pre-AlgB)
Interpreting Graphs to Solve Problems (Pre-AlgB)
Algebra 1, Part 2
Equations and Inequalities - Algebra 1, Part 2
Solving Problems With Linear Equations in 1 Variable (Alg1.2)
Review: Equations and Inequalities (Alg1.2)
Algebra 2, Part 1
Linear Systems of Equations and Inequalities - Algebra 2, Part 1
Solving Problems with Linear Systems (Alg2.1)



- Review: Linear Systems (Alg2.1)
- Algebra 2, Part 2
 - Special Equations and Inequalities - Algebra 2, Part 2
 - Graphing Linear Inequalities in 1 Variable (Alg2.2)
- Functions and Their Graphs - Algebra 2, Part 2
 - Equations and Graphs of Functions, Part 2 (Alg2.2)
 - Composite Functions (Alg2.2)
 - Solving Problems with Linear Functions (Alg2.2)

**10.M.3.6.2 Use graphs and sequences to represent and solve problems.
(347.02.b)**

- Math Problem Solving
 - Beginning Algebra: Math Problem Solving
 - Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
 - Intermediate Algebra: Math Problem Solving
 - Video Rental: Intermediate Algebra: Math Problem Solving
 - Running a Race: Intermediate Algebra: Math Problem Solving
 - Advanced Algebra: Math Problem Solving
 - Car Rental: Advanced Algebra: Math Problem Solving
 - Building Boats: Advanced Algebra: Math Problem Solving
 - Saving the Birds: Advanced Algebra: Math Problem Solving
- PLATO Course Algebra 1, Semester A v2.0
 - Unit 4 - Linear Relations, Systems, Functions, and Special Topics
 - Approximating a Line of Best Fit
- PLATO Course Algebra 2, Semester B v2.0
 - Unit 3 - Special Functions, Complex Numbers, and Sequences and Series
 - Introduction to Sequences and Series
 - Arithmetic Sequences and Series
- PLATO Course Pre-Algebra, Semester B
 - Unit 4 - Expressions, Equations, and Inequalities
 - Patterns and Sequences (Pre-AlgB)
 - Linear Equations in 1 Variable: Solving by Inspection (Pre-AlgB)
 - Linear Equations in 1 Variable: Isolating the Variable (Pre-AlgB)
 - Graphing Linear Equations in 2 Variables (Pre-AlgB)
 - Graphs, Slopes, and y-Intercepts (Pre-AlgB)
 - Interpreting Graphs to Solve Problems (Pre-AlgB)
- Algebra 1, Part 2
 - Equations and Inequalities - Algebra 1, Part 2
 - Review: Equations and Inequalities (Alg1.2)
- Algebra 2, Part 1
 - Graphs and Linear Equations - Algebra 2, Part 1
 - Graphing a Linear Equation in 2 Variables (Alg2.1)



Using the Slope and y-Intercept to Graph a Line (Alg2.1)
Identifying Graphs from Their Equations (Alg2.1)
Review: Graphs (Alg2.1)
Linear Systems of Equations and Inequalities - Algebra 2, Part 1
Solving Linear Systems of Equations: Graphs (Alg2.1)
Solving Problems with Linear Systems (Alg2.1)
Review: Linear Systems (Alg2.1)
Algebra 2, Part 2
Functions and Their Graphs - Algebra 2, Part 2
Equations and Graphs of Functions, Part 2 (Alg2.2)
Translations and Transformations (Alg2.2)
Solving Problems with Linear Functions (Alg2.2)

Standard 4: Concepts and Principles of Geometry

Goal 4.1: Apply concepts of size, shape, and spatial relationships.

10.M.4.1.1 Recognize and apply congruency and similarity of two-dimensional figures. (351.01.a)

PLATO Course Pre-Algebra, Semester B
Unit 2 - Geometry
Changing Polygons and Circles
Exploring Congruent Figures (Pre-AlgB)
Exploring Similar Figures (Pre-AlgB)
Foundational Mathematics
Plane and Solid Figures
Exploring Congruent Figures
Exploring Similar Figures

10.M.4.1.2 Recognize and use similarity as it relates to size variations in two- and three- dimensional objects. (351.01.b)

PLATO Course Geometry, Semester B v2.0
Unit 2 - Similarity, Congruency, and Transformations
Similar Polygons
Finding Missing Parts of Geometric Figures
PLATO Course Pre-Algebra, Semester B
Unit 2 - Geometry
Changing Polygons and Circles
Exploring Similar Figures (Pre-AlgB)
Foundational Mathematics
Understanding Ratio and Proportion

Inspired solutions for teaching and learning™



Understanding Ratio
Understanding Proportion
Plane and Solid Figures
Exploring Congruent Figures
Exploring Similar Figures

Goal 4.2: Apply the geometry of right triangles.

10.M.4.2.1 Given the Pythagorean Theorem, calculate missing side lengths of right triangles without simplifying radicals. (35I.02.c)

PLATO Course Geometry, Semester B v2.0
Unit 4 - Geometry of the Coordinate Plane
Cartesian Coordinates
PLATO Course Pre-Algebra, Semester B
Unit 2 - Geometry
The Pythagorean Theorem I (Pre-AlgB)
Using Geometry (Pre-AlgB)
Algebra 1, Part I
Graphing Basics - Algebra 1, Part I
Coordinate Plane (Alg1.1)
Identifying Points on a Coordinate Plane (Alg1.1)
Algebra 2, Part 1
Graphs and Linear Equations - Algebra 2, Part 1
The Coordinate Plane (Alg2.1)
Algebra 2, Part 2
Coordinates and Curves - Algebra 2, Part 2
Distance between 2 Points (Alg2.2)
Geometry I
Geometry
The Pythagorean Theorem I
Using Geometry
Geometry 2
Triangles and Lines
The Pythagorean Theorem 2
Solving Right Triangle Problems



Goal 4.3: Apply graphing in two dimensions.

10.M.4.3.1 Identify attributes of the Cartesian Coordinate System, such as quadrants, origin, and axes. (351.03.a)

- PLATO Course Geometry, Semester B v2.0
 - Unit 4 - Geometry of the Coordinate Plane
 - Cartesian Coordinates
- PLATO Course Pre-Algebra, Semester B
 - Unit 4 - Expressions, Equations, and Inequalities
 - Coordinate Plane (Pre-AlgB)
- Algebra 2, Part I
 - Graphs and Linear Equations - Algebra 2, Part I
 - The Coordinate Plane (Alg2.1)
- Geometry 2
 - Solids and Coordinate Geometry
 - Coordinates in Three Dimensions

10.M.4.3.2 Graph scatter plots and identify informal trend lines (e.g., eyeball fit lines).

- PLATO Course Pre-Algebra, Semester B
 - Unit 3 - Statistics and Graphs
 - Interpreting Bar, Line, and Circle Graphs and Scatter Plots
 - Creating Bar, Line, and Circle Graphs and Scatter Plots
- Miscellaneous Math Resource
 - Charting and Graphing
 - Charts and Graphs for Quality
 - Understanding Scatter Diagrams
 - Interpreting Scatter Diagrams

10.M.4.3.3 Identify positive and negative correlations.

- PLATO Course Pre-Algebra, Semester B
 - Unit 3 - Statistics and Graphs
 - Interpreting Bar, Line, and Circle Graphs and Scatter Plots
- Miscellaneous Math Resource
 - Charting and Graphing
 - Charts and Graphs for Quality
 - Understanding Scatter Diagrams
 - Interpreting Scatter Diagrams



Goal 4.4: Represent and graph linear relationships.

10.M.4.4.1 Create graphs and equations for linear relationships.

Math Problem Solving

Beginning Algebra: Math Problem Solving

Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving

Intermediate Algebra: Math Problem Solving

Video Rental: Intermediate Algebra: Math Problem Solving

Running a Race: Intermediate Algebra: Math Problem Solving

Advanced Algebra: Math Problem Solving

Car Rental: Advanced Algebra: Math Problem Solving

Building Boats: Advanced Algebra: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Graphing Linear Equations in 2 Variables (Pre-AlgB)

Linear Patterns (Pre-AlgB)

Graphs, Slopes, and y-Intercepts (Pre-AlgB)

Interpreting Graphs to Solve Problems (Pre-AlgB)

Algebra 2, Part 1

Graphs and Linear Equations - Algebra 2, Part 1

Solutions of Linear Equations as Ordered Pairs (Alg2.1)

Graphing a Linear Equation in 2 Variables (Alg2.1)

Using the Slope and y-Intercept to Graph a Line (Alg2.1)

Identifying Graphs from Their Equations (Alg2.1)

Review: Graphs (Alg2.1)

Linear Systems of Equations and Inequalities - Algebra 2, Part 1

Solving Linear Systems of Equations: Graphs (Alg2.1)

Solving Problems with Linear Systems (Alg2.1)

Review: Linear Systems (Alg2.1)

Algebra 2, Part 2

Functions and Their Graphs - Algebra 2, Part 2

Equations and Graphs of Functions, Part 2 (Alg2.2)

10.M.4.4.2 Represent linear relationships using tables, graphs, and mathematical symbols.

Math Problem Solving

Beginning Algebra: Math Problem Solving

Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving

Intermediate Algebra: Math Problem Solving

Video Rental: Intermediate Algebra: Math Problem Solving

Advanced Algebra: Math Problem Solving



- Car Rental: Advanced Algebra: Math Problem Solving
- PLATO Course Pre-Algebra, Semester B
 - Unit 4 - Expressions, Equations, and Inequalities
 - Determining the Truth Value of a Statement (Pre-AlgB)
 - Ordered Pairs as Solutions of Linear Equations (Pre-AlgB)
 - Graphing Linear Equations in 2 Variables (Pre-AlgB)
 - Linear Patterns (Pre-AlgB)
 - Graphs, Slopes, and y-Intercepts (Pre-AlgB)
 - Interpreting Graphs to Solve Problems (Pre-AlgB)
- Algebra 2, Part 1
 - Graphs and Linear Equations - Algebra 2, Part 1
 - Solutions of Linear Equations as Ordered Pairs (Alg2.1)
 - Graphing a Linear Equation in 2 Variables (Alg2.1)
 - Using the Slope and y-Intercept to Graph a Line (Alg2.1)
 - Identifying Graphs from Their Equations (Alg2.1)
 - Review: Graphs (Alg2.1)
- Algebra 2, Part 2
 - Functions and Their Graphs - Algebra 2, Part 2
 - Defining a Function with Its Rule (Alg2.2)
 - Finding Values of a Function Using Its Rule (Alg2.2)
 - Equations and Graphs of Functions, Part 2 (Alg2.2)

10.M.4.4.3 Interpret attributes of linear relationships such as slope, rate of change, and intercepts.

- PLATO Course Algebra I, Semester A v2.0
 - Unit 3 - Linear and Quadratic Equations
 - Finding x- and y-intercepts of a Linear Equation
 - Slope-Intercept Form
- PLATO Course Geometry, Semester B v2.0
 - Unit 4 - Geometry of the Coordinate Plane
 - Coordinate Geometry
- PLATO Course Pre-Algebra, Semester B
 - Unit 4 - Expressions, Equations, and Inequalities
 - Linear Patterns (Pre-AlgB)
 - Graphs, Slopes, and y-Intercepts (Pre-AlgB)
 - Equations, Graphs, Slopes, and y-Intercepts (Pre-AlgB)
 - Slope of a Line from 2 Points (Pre-AlgB)
 - Finding the Slope and y-Intercept from an Equation (Pre-AlgB)
- Algebra 2, Part 1
 - Graphs and Linear Equations - Algebra 2, Part 1
 - Slope of a Line from 2 Points (Alg2.1)
 - The y-Intercept of a Line (Alg2.1)



- Using the Slope and y-Intercept to Graph a Line (Alg2.1)
- Finding the Slope and y-Intercept from an Equation (Alg2.1)
- Review: Graphs (Alg2.1)
- Algebra 2, Part 2
 - Coordinates and Curves - Algebra 2, Part 2
 - Calculating the Slope of a Line (Alg2.2)
 - Point-Slope and Slope-Intercept Forms of Equations (Alg2.2)
- Geometry 2
 - Solids and Coordinate Geometry
 - Slope

Goal 4.5: Use reasoning skills.

10.M.4.5.1 Use logic to make and evaluate mathematical arguments. (348.02.b)

- PLATO Course Geometry, Semester A v2.0
 - Unit 1 - Geometry Basics, Points, Lines, Planes, and Angles
 - Geometric Conjectures
 - Unit 2 - Parallel and Perpendicular Lines and Triangles
 - Writing Geometric Proofs
- Geometry 2
 - Introduction to Geometry
 - Postulates and Theorems

Standard 5: Data Analysis, Probability, and Statistics

Goal 5.1: Represent data with a variety of formats.

10.M.5.1.1 Analyze and interpret tables, charts, and graphs, including scatter plots, multiple broken line graphs, and box-and-whisker plots. (352.01.a)

- Math Problem Solving
 - Data Skills: Math Problem Solving
 - Planning a Playground: Data Skills: Math Problem Solving
 - Growing Lilies: Data Skills: Math Problem Solving
 - Probability and Statistics: Math Problem Solving
 - Making the Grade: Probability and Statistics: Math Problem Solving
 - Statistics for Quality: Probability and Statistics: Math Problem Solving
- PLATO Course Algebra I, Semester A v2.0
 - Unit 4 - Linear Relations, Systems, Functions, and Special Topics
 - Creating and Interpreting Box-and-Whisker Plots



- PLATO Course Pre-Algebra, Semester B
 - Unit 3 - Statistics and Graphs
 - Interpreting Bar, Line, and Circle Graphs and Scatter Plots
 - Box-and-Whisker Plots
 - Data Skills for Today
 - Reading Graphical Data
 - Reading Line Graphs
 - Reading Data in Tables
 - Introduction to Flowcharts
 - Computing Graphical Data
 - Graphing and Charting
 - Tables
 - Using Line Graphs
 - Reading Complex Charts and Graphs
 - Reading Complex Tables
 - Reading Complex Flowcharts
- Miscellaneous Math Resource
 - Data Collection
 - Understanding Cause and Effect Diagrams
 - Charting and Graphing
 - Charts and Graphs for Quality
 - Understanding Scatter Diagrams
 - Interpreting Scatter Diagrams
 - Control Charts
 - Control Chart Basics
 - Using Control Charts

Goal 5.2: Collect, organize, and display data.

10.M.5.2.1 Collect, organize, and display data in tables, charts, and graphs. (352.02.a)

- Math Problem Solving
 - Data Skills: Math Problem Solving
 - Planning a Playground: Data Skills: Math Problem Solving
 - Growing Lilies: Data Skills: Math Problem Solving
 - Beginning Algebra: Math Problem Solving
 - Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
 - Advanced Algebra: Math Problem Solving
 - Saving the Birds: Advanced Algebra: Math Problem Solving
 - Probability and Statistics: Math Problem Solving
 - Making the Grade: Probability and Statistics: Math Problem Solving
- PLATO Course Pre-Algebra, Semester B



- Unit 3 - Statistics and Graphs
 - Creating Bar, Line, and Circle Graphs and Scatter Plots
- Data Skills for Today
 - Computing Graphical Data
 - Tables
- Constructing Graphs and Charts
 - Constructing Histograms
 - Selecting Graphs and Charts
- Miscellaneous Math Resource
 - Data Collection
 - Assuring Accuracy
 - Using Data Collection Tools
 - Control Charts
 - Control Chart Basics
 - Selecting and Completing Control Charts

Goal 5.3: Apply simple statistical measurements.

10.M.5.3.1 Interpret and use basic statistical concepts, including mean, median, mode, range, and distribution of data, including outliers. (352.03.a)

- Math Problem Solving
 - Data Skills: Math Problem Solving
 - Growing Lilies: Data Skills: Math Problem Solving
 - Probability and Statistics: Math Problem Solving
 - Making the Grade: Probability and Statistics: Math Problem Solving
 - Statistics for Quality: Probability and Statistics: Math Problem Solving
- PLATO Course Pre-Algebra, Semester B
 - Unit 3 - Statistics and Graphs
 - Mean, Median, and Mode (Pre-AlgB)
 - More on Central Tendencies
 - Box-and-Whisker Plots
 - Data Skills for Today
 - Reading Complex Charts and Graphs
 - Reading Histograms
- Miscellaneous Math Resource
 - Charting and Graphing
 - Interpreting Histograms
 - Basic Statistics



10.M.5.3.2 Make predictions and draw conclusions based on statistical measures. (352.05.a)

Math Problem Solving

Data Skills: Math Problem Solving

Planning a Playground: Data Skills: Math Problem Solving

Growing Lilies: Data Skills: Math Problem Solving

Advanced Algebra: Math Problem Solving

Saving the Birds: Advanced Algebra: Math Problem Solving

Probability and Statistics: Math Problem Solving

Making the Grade: Probability and Statistics: Math Problem Solving

Statistics for Quality: Probability and Statistics: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 3 - Statistics and Graphs

More on Central Tendencies

Analyzing the Validity of Data

Goal 5.4: Understand basic concepts of probability.

10.M.5.4.1 Find probabilities based on dependent, independent, and compound events.

PLATO Course Algebra 2, Semester A v2.0

Unit 3 - Systems, Probability, and Vectors

Probabilities of Independent and Dependent Events

PLATO Course Pre-Algebra, Semester B

Unit 3 - Statistics and Graphs

Multiplication Principle of Counting (Pre-AlgB)

Algebra 2, Part I

Probability - Algebra 2, Part I

Multiplication Principle of Counting (Alg2.1)

10.M.5.4.2 Contrast experimental and theoretical probability. (352.04.a)

Math Expeditions

Math Expeditions H – Arkansas Wildlife Refuge

Probability/Stats H

Find probability and outcomes

Math Expeditions I – Philadelphia Archeology

Probability/Stats I

Find probability and outcomes



Goal 5.5: Make predictions or decisions based on data.

10.M.5.5.1 Make predictions based on randomness, chance, equally likely events, and probability. (352.04.c)

PLATO Course Pre-Algebra, Semester B
Unit 3 - Statistics and Graphs
Determining the Probability of an Event (Pre-AlgB)
Algebra 2, Part I
Probability - Algebra 2, Part I
Determining the Probability of an Event (Alg2.1)
Review: Probability (Alg2.1)

10.M.5.5.2 Use appropriate tools/technology to conduct simulations and employ graphical models to make predictions or decisions based on data. (352.05.a)

Math Problem Solving
Data Skills: Math Problem Solving
Planning a Playground: Data Skills: Math Problem Solving
Growing Lilies: Data Skills: Math Problem Solving
Advanced Algebra: Math Problem Solving
Saving the Birds: Advanced Algebra: Math Problem Solving
Probability and Statistics: Math Problem Solving
Making the Grade: Probability and Statistics: Math Problem Solving
Statistics for Quality: Probability and Statistics: Math Problem Solving
PLATO Course Pre-Algebra, Semester B
Unit 3 - Statistics and Graphs
Analyzing the Validity of Data
Data Skills for Today
Reading Graphical Data
Reading Data in Tables
Computing Graphical Data
Tables
Reading Complex Charts and Graphs
Reading Complex Tables
Miscellaneous Math Resource
Data Collection
Using Data Collection Tools
Control Charts
Control Chart Basics
Using Control Charts



10.M.5.5.3 Design, conduct, and interpret results of statistical experiments. (352.05.b)

Math Problem Solving

Data Skills: Math Problem Solving

Planning a Playground: Data Skills: Math Problem Solving

Growing Lilies: Data Skills: Math Problem Solving

Beginning Algebra: Math Problem Solving

Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving

Advanced Algebra: Math Problem Solving

Saving the Birds: Advanced Algebra: Math Problem Solving

Probability and Statistics: Math Problem Solving

Making the Grade: Probability and Statistics: Math Problem Solving

Statistics for Quality: Probability and Statistics: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 3 - Statistics and Graphs

Conducting a Survey

Data Skills for Today

Reading Graphical Data

Reading Data in Tables

Computing Graphical Data

Tables

Reading Complex Charts and Graphs

Reading Complex Tables

Constructing Graphs and Charts

Selecting Graphs and Charts

Miscellaneous Math Resource

Data Collection

Assuring Accuracy

Using Data Collection Tools

Control Charts

Control Chart Basics

Selecting and Completing Control Charts

Using Control Charts