



# The Correlation of PLATO® Curricula to the Idaho Content Standards

## Grade 08 - 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 08, Mathematics, Grade 08. 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**
- Foundational Mathematics**
- Geometry 1**
- Geometry 2**
- Math Expeditions F**
- Math Expeditions G**
- 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**
- Projects for the Real World H**
- Projects for the Real World I**
- Data Skills**
- Trigonometry Skills**

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## Grade 08

### Standard I: Number and Operation

#### Goal I.I: Understand and use numbers.

#### **8.M.I.I.I Compare magnitudes and relative magnitudes of rational numbers, including integers, fractions, decimals, percents, and absolute values. (337.01.a)**

##### Math Problem Solving

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

Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving

Advanced Algebra: Math Problem Solving

Building Boats: Advanced Algebra: Math Problem Solving

Probability and Statistics: Math Problem Solving

Statistics for Quality: Probability and Statistics: Math Problem Solving

##### PLATO Course Pre-Algebra, Semester A

Unit 4 - Ratios and Proportions, Percents, and Measurement

Solving Problems with Percents (Pre-AlgA)

##### PLATO Course Pre-Algebra, Semester B

Unit 1 - Integers

Absolute Value of a Number (Pre-AlgB)

Unit 4 - Expressions, Equations, and Inequalities

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

##### Projects for the Real World H

PRW H - Consumer Guide

Making a Complaint

Writing a Complaint Guide

Money Talks

Conscious Choices

##### Projects for the Real World I

PRW I - Earning Money

Creating a Budget

Money Makers

Income and Expenses

Time to Buck Up

Nets and Grosses

Buying Smart

A Fraction of the Cost

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- Which Price is Right?
- PRW I - Making a Video
  - Time Factors
  - Shooting Time
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Ratio/Proportion/% H
    - Solve percents
    - Find numbers from percents
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Numeration Compare I
    - Compare rational numbers
  - Numeration Order I
    - Order rational numbers
  - Ratio/Proportion/%
    - Solve percents
    - Find numbers from percents
- Foundational Mathematics
  - Understanding Ratio and Proportion
    - Solving Ratio, Proportion, and Percent Story Problems
- Algebra I, Part I
  - Special Topics - Algebra I, Part I
    - Solving Problems with Percents (Alg1.1)
- Algebra I, Part 2
  - Equations and Inequalities - Algebra I, Part 2
    - Absolute Value of a Number (Alg1.2)
    - Equations with Absolute Values (Alg1.2)
    - Solving Problems With Linear Equations in 1 Variable (Alg1.2)
    - Review: Equations and Inequalities (Alg1.2)
- Algebra 2, Part 2
  - Special Equations and Inequalities - Algebra 2, Part 2
    - Evaluating Expressions with Absolute Value (Alg2.2)
    - Absolute Value, Inequalities, and Interval Notation (Alg2.2)

**8.M.1.1.2 Use rational numbers, including percents and ratios, and  $p$  ( $\pi$ ) to solve problems. (337.01.b)**

- PLATO Course Pre-Algebra, Semester A
  - Unit 3 - Decimals
    - Rational and Irrational Numbers
- PLATO Course Pre-Algebra, Semester B
  - Unit 2 - Geometry

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- Radius, Diameter, Circumference, and Pi
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Geometry H
    - Find the circumference
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Numeration Compare I
    - Compare rational numbers
  - Numeration Order I
    - Order rational numbers
  - Geometry I
    - Find the circumference
- Geometry I
  - Geometry
    - Circles, Arcs, and Circumferences

**8.M.1.1.3 Locate the position of rational numbers and positive real numbers on a number line. (337.01.e)**

- Algebra I, Part 2
  - Equations and Inequalities - Algebra I, Part 2
    - Graphing a Solution Set on a Number Line (Alg1.2)
    - Solving and Graphing Equations in 1 Variable (Alg1.2)

**8.M.1.1.4 Convert between standard form, scientific notation, and exponential form. (337.01.c)**

- PLATO Course Pre-Algebra, Semester B
  - Unit 1 - Integers
    - Exponents: Exponential Form (Pre-AlgB)
    - Exponents: Expanded Form (Pre-AlgB)
    - Scientific Notation
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Numeration Place Value H
    - Identify place value billions
    - Recognize place value decimals
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Numeration Place Value I
    - Identify place value billions
    - Recognize place value decimals

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Write in scientific notation

Foundational Mathematics

Understanding Whole Numbers 2

Reading and Writing Numbers in Word Form

Representing Millions and Billions

Understanding Decimals

Understanding Decimal Place Value: Thousandths and Ten-Thousandths

Algebra 1, Part 1

Basic Number Ideas - Algebra 1, Part 1

Exponents: Exponential Form (Alg1.1)

Exponents: Expanded Form (Alg1.1)

Algebra 1, Part 2

Sets and Numbers - Algebra 1, 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)

Algebra 2, Part 2

Numbers and Their Properties - Algebra 2, Part 2

Scientific Notation (Alg2.2)

**8.M.1.1.5 Apply number theory concepts (primes, composites, prime factorization, LCM, GCF). (337.01.d)**

PLATO Course Pre-Algebra, Semester A

Unit 2 - Fractions

Finding Factors and Prime Factors

Greatest Common Factors

Foundational Mathematics

Understanding Multiplication

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)

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Review: Fractions and Sets (Alg I.2)

**8.M.1.1.6 Recognize pertinent information for problem solving. (338.01.b)**

PLATO Course Geometry, Semester A v2.0  
Unit I - Geometry Basics, Points, Lines, Planes, and Angles  
Problem Solving, Patterns, and Solutions  
Algebra I, Part I  
Basic Number Ideas - Algebra I, Part I  
Using Basic Number Ideas (Alg I.1)

**8.M.1.1.7 Apply integers in one- and two-step common real-world situations.**

Math Problem Solving  
Math Fundamentals: Math Problem Solving  
Smart Shopping: Math Fundamentals: Math Problem Solving  
Running a Business: Math Fundamentals: Math Problem Solving  
PLATO Course Pre-Algebra, Semester B  
Unit I - Integers  
Word Problems with Integers

**8.M.1.1.8 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.**

**8.M.1.2.1 Recall the common equivalent fractions, decimals, and percents of halves, thirds, fourths, fifths, and tenths. (337.02.b)**

PLATO Course Pre-Algebra, Semester A  
Unit 3 - Decimals  
Fractions and Repeating Decimals  
Projects for the Real World H  
PRW H - Consumer Guide  
Money Talks  
Who Does What?  
Math Expeditions H  
Math Expedition H - Arkansas Wildlife Refuge

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- Decimals H
  - Add and subtract decimals
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
- Fractions I
  - Compare and order fractions
- Decimals I
  - Add and subtract decimals
- 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
    - Equivalent Ratios

**8.M.1.2.2 Add, subtract, multiply, and divide rational numbers. (337.02.a)**

- PLATO Course Algebra I, Semester A v2.0
  - Unit 4 - Linear Relations, Systems, Functions, and Special Topics
    - Using the Distance Formula
- Algebra 2, Part 2
  - Special Equations and Inequalities - Algebra 2, Part 2
    - Absolute Value, Inequalities, and Interval Notation (Alg2.2)
  - Coordinates and Curves - Algebra 2, Part 2
    - Distance between 2 Points (Alg2.2)
    - Distance between a Point and a Line (Alg2.2)
- Geometry 2
  - Solids and Coordinate Geometry
    - The Distance Formula
    - Coordinates in Three Dimensions

**8.M.1.2.3 Evaluate numerical expressions with whole number exponents. (337.02.d)**

- 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

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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)

Algebra I, Part I

Math Sentences - Algebra I, Part I

Order of Operations (AlgI.1)

Expressions in 1 Variable (AlgI.1)

Expressions in 2 or More Variables (AlgI.1)

**8.M.1.2.4 Evaluate numerical expressions with rational numbers using the order of operations. (337.02.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 4 - Expressions, Equations, and Inequalities

Order of Operations (Pre-AlgB)

Expressions in 1 Variable (Pre-AlgB)

Expressions in 2 or More Variables (Pre-AlgB)

Algebra I, Part I

Math Sentences - Algebra I, Part I

Order of Operations (AlgI.1)

Expressions in 1 Variable (AlgI.1)

Expressions in 2 or More Variables (AlgI.1)

**8.M.1.2.5 Select and use an appropriate method of computation from mental math, paper and pencil, calculator, or a combination of the three. (337.02.e)**

Math Problem Solving

Math Fundamentals: Math Problem Solving

Smart Shopping: Math Fundamentals: Math Problem Solving

Intermediate Algebra: Math Problem Solving

Video Rental: 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

Algebra I, Part I

Basic Number Ideas - Algebra I, Part I

Using Basic Number Ideas (AlgI.1)

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**8.M.1.2.6 Use a variety of strategies including common mathematical formulas to compute problems drawn from real life situations. (338.01.a)**

Math Problem Solving

Math Fundamentals: Math Problem Solving

Smart Shopping: 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

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

Building Boats: Advanced 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 B

Unit 4 - Expressions, Equations, and Inequalities

Literal Equations (Pre-AlgB)

Adapting and Using Formulas (Pre-AlgB)

Using Linear Equations to Solve Problems (Pre-AlgB)

Algebra I, Part I

Basic Number Ideas - Algebra I, Part I

Using Basic Number Ideas (AlgI.1)

Math Sentences - Algebra I, Part I

Using Linear Equations to Solve Problems (AlgI.1)

Graphing Basics - Algebra I, Part I

Solving Problems with Systems of Linear Equations (AlgI.1)

Equations and Formulas - Algebra I, Part I

Literal Equations (AlgI.1)

Adapting and Using Formulas (AlgI.1)

**8.M.1.2.7 Use appropriate vocabulary and notations. (337.02.f)**

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



**Goal 1.3: Estimate and judge reasonableness of results.**

**8.M.1.3.1 Estimate to predict computation results. (337.03.a)**

PLATO Course Pre-Algebra, Semester A  
Unit 1 - Whole Numbers  
Estimation Basics (Pre-AlgA)  
PLATO Course Pre-Algebra, Semester B  
Unit 1 - Integers  
Word Problems with Integers  
Math Expeditions H  
Math Expedition H - Arkansas Wildlife Refuge  
Number Operation Addition H  
Estimate sums  
Number Operation Subtraction H  
Estimate differences  
Number Operation Multiply H  
Estimate products  
Number Operation Division H  
Estimate quotients  
Math Expeditions I  
Math Expeditions I - Philadelphia Archeology  
Number Operation Addition I  
Estimate sums  
Number Operation Subtraction I  
Estimate differences  
Number Operation Multiply I  
Estimate products  
Number Operation Division I  
Estimate quotients  
Algebra I, Part I  
Special Topics - Algebra I, Part I  
Estimation Basics (AlgI.1)

**8.M.1.3.2 Identify when estimation is appropriate and apply to problem solving situations. (337.03.b)**

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

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Intermediate Algebra: Math Problem Solving  
Running a Race: Intermediate Algebra: Math Problem Solving  
PLATO Course Pre-Algebra, Semester A  
Unit 1 - Whole Numbers  
Estimation Basics (Pre-AlgA)  
Algebra I, Part I  
Basic Number Ideas - Algebra I, Part I  
Using Basic Number Ideas (AlgI.I)  
Special Topics - Algebra I, Part I  
Estimation Basics (AlgI.I)

**8.M.1.3.3 Identify whether a given estimate is an overestimate or underestimate. (337.03.c)**

PLATO Modules are not available for this learning expectation.

**8.M.1.3.4 Use a four-function calculator to solve complex grade-level problems.**

Math Problem Solving  
Math Fundamentals: Math Problem Solving  
Smart Shopping: Math Fundamentals: 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 4 - Ratios and Proportions, Percents, and Measurement  
Solving Problems with Percents (Pre-AlgA)  
PLATO Course Pre-Algebra, Semester B  
Unit 4 - Expressions, Equations, and Inequalities  
Literal Equations (Pre-AlgB)  
Projects for the Real World H  
PRW H - Maya Mystery  
Dots, Bars & Shells  
Calendar Dates  
Algebra I, Part I  
Basic Number Ideas - Algebra I, Part I  
Using Basic Number Ideas (AlgI.I)  
Math Sentences - Algebra I, Part I  
Using Linear Equations to Solve Problems (AlgI.I)  
Using Quadratic Equations to Solve Problems (AlgI.I)  
Graphing Basics - Algebra I, Part I  
Solving Problems with Systems of Linear Equations (AlgI.I)



- Equations and Formulas - Algebra I, Part I
  - Literal Equations (AlgI.1)
- Special Topics - Algebra I, Part I
  - Solving Problems with Percents (AlgI.1)
  - Solving Problems with Mean, Median, and Mode (AlgI.1)
  - Solving Problems with Probability (AlgI.1)

**8.M.1.3.5 Formulate conjectures and justify (short of formal proof) why they must be or seem to be true. (338.02.c)**

- PLATO Course Geometry, Semester A v2.0
  - Unit I - Geometry Basics, Points, Lines, Planes, and Angles
    - Geometric Conjectures
  - Projects for the Real World H
    - PRW H - Maya Mystery
      - Made in Copan
      - Imports and Exports
  - Projects for the Real World I
    - PRW I - Trouble in Camelot
      - Be Prepared
      - Don't Get Steamed
      - Call an Expert
      - Use a Mediator
    - PRW I - Making a Video
      - Where to Shoot
      - Choosing a Room
    - PRW I - Space Center
      - Troubleshooting
      - Flowcharts

**8.M.1.3.6 Use appropriate vocabulary and notations. (337.03.d)**

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



## **Standard 2: Concepts and Principles of Measurement**

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

#### **8.M.2.1.1 Select and use appropriate units and tools to make formal measurements in both systems. (339.01.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 Pre-Algebra, Semester B

Unit 2 - Geometry

Perimeter and Area of Compound Shapes

Tessellations

#### **8.M.2.1.2 Apply estimation of measurement to real-world and content problems using standard measuring devices. (339.01.b)**

Math Problem Solving

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

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

Building Boats: 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

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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)  
Projects for the Real World I  
PRW I - Space Center  
Weather Forecast  
Reading the Map  
Math Expeditions H  
Math Expedition H - Arkansas Wildlife Refuge  
Geometry H  
Find the volume  
Math Expeditions I  
Math Expeditions I - Philadelphia Archeology  
Geometry I  
Find the volume  
Algebra I, Part I  
Basic Number Ideas - Algebra I, Part I  
Using Basic Number Ideas (AlgI.I)  
Mental Math with Whole Numbers and Decimals (AlgI.I)  
Special Topics - Algebra I, Part I  
Estimation Basics (AlgI.I)  
Estimation by Clustering (AlgI.I)

**8.M.2.1.3 Compare the differences and relationships among measures of perimeter, area, and volume (capacity) within both systems. (339.01.c)**

Math Problem Solving  
Geometry and Measurement: Math Problem Solving  
Shelf Space: Geometry and Measurement: Math Problem Solving

**8.M.2.1.4 Given the formulas, find the circumference, perimeter, or area of triangles, circles, and quadrilaterals, and the volume and surface area of rectangular prisms. (341.01.e)**

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

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- 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)
    - Calculating the Volume of a Rectangular Prism (Pre-AlgB)
    - Surface Area of Prisms, Pyramids, and Cylinders
    - Using Geometry (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Geometry H
      - Find the perimeter
      - Find the circumference
      - Find the area
      - Find the volume
      - Find the surface area
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Geometry I
      - Find the perimeter
      - Find the circumference
      - Find the area
      - Find the volume
      - Find the surface area
- 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
- Geometry I
  - Geometry
    - Circles, Arcs, and Circumferences
    - Using Geometry
  - Measurement
    - Area, Part I



- 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

**8.M.2.1.5 Convert units of measurement within each system in problem solving situations. (339.01.e)**

- Math Problem Solving
  - Beginning Algebra: Math Problem Solving
  - Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
- PLATO Course Pre-Algebra, Semester A
  - Unit 4 - Ratios and Proportions, Percents, and Measurement
    - Length
    - Capacity
    - Weight and Mass

**8.M.2.1.6 Solve problems involving area of circles and the perimeter and area of rectangles and triangles. (339.01.d)**

- Math Problem Solving
  - Beginning Algebra: Math Problem Solving
  - Tunnel Through Bald Mountain: Beginning 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 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
    - Calculating the Area of Rectangles and Squares (Pre-AlgB)



- Area, Part 1 (Pre-AlgB)
- Area, Part 2 (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Geometry H
    - Find the perimeter
    - Find the area
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Geometry I
    - Find the perimeter
    - Find the area
- Foundational Mathematics
  - Using Geometry
    - Calculating the Area of Rectangles and Squares
    - Calculating the Area of Triangles
  - Measurement
    - Solving Measurement Story Problems
- Geometry I
  - Measurement
    - Area, Part 1
    - Area, Part 2
    - Using Measurement
- Geometry 2
  - Transformations, Symmetry, and Area
    - Area of Right Triangles and Parallelograms
    - Area of Any Triangle
    - Area of Trapezoids and Rhombuses
  - Circles
    - The Area of Circles

**8.M.2.1.7 Use appropriate vocabulary and notations. (339.01.f)**

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



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

**8.M.2.2.1 Use rates, proportions, ratios, and map scales in problem-solving situations. (339.03.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

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)

Projects for the Real World H

PRW H - Maya Mystery

Made in Copan

Mapping a Tomb

Latitude and Longitude

Books of Stone

A Stone Forest

Projects for the Real World I

PRW I - Earning Money

Creating a Budget

Money Makers

Buying Smart

A Fraction of the Cost



- Which Price is Right?
- PRW I - Making a Video
  - Time Factors
  - Shooting Time
- PRW I - Space Center
  - Weather Forecast
  - Reading the Map
  - Storm Map
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Ratio/Proportion/% H
    - Solve rates & proportions
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Ratio/Proportion/%
    - Solve rates & proportions
- Foundational Mathematics
  - Understanding Ratio and Proportion
    - Understanding Ratio
    - Understanding Proportion
    - Solving Ratio, Proportion, and Percent Story Problems
- Algebra I, Part I
  - Basic Number Ideas - Algebra I, Part I
    - Using Basic Number Ideas (AlgI.1)
  - Special Topics - Algebra I, Part I
    - Scaling and Proportion, Part 1 (AlgI.1)
    - Scaling and Proportion, Part 2 (AlgI.1)
- Algebra I, Part 2
  - Equations and Inequalities - Algebra I, Part 2
    - Solving Problems With Linear Equations in 1 Variable (AlgI.2)
- Geometry 2
  - Triangles and Lines
  - A Sense of Proportion

**8.M.2.2.2 Determine unit rates in real-world situations.**

- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Ratio/Proportion/% H
    - Solve rates & proportions
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Ratio/Proportion/%

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Solve rates & proportions

**Goal 2.3: Apply dimensional analysis.**

**8.M.2.3.1 Illustrate the interrelationship of measurement units through dimensional analysis conversions. (339.04.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

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

Length

Capacity

Weight and Mass

**Standard 3: Concepts and Language of Algebra and Functions**

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

**8.M.3.1.1 Use variables in expressions, equations, and inequalities. (340.01.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

Building Boats: Advanced Algebra: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Expressions in 1 Variable (Pre-AlgB)

Literal Equations (Pre-AlgB)

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- Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Ratio/Proportion/% H
    - Find numbers from percents
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Ratio/Proportion/%
    - Find numbers from percents
- Algebra I, Part 1
  - Basic Number Ideas - Algebra I, Part 1
    - Using Basic Number Ideas (AlgI.1)
  - Math Sentences - Algebra I, Part 1
    - Expressions in 1 Variable (AlgI.1)
  - Equations and Formulas - Algebra I, Part 1
    - Literal Equations (AlgI.1)
- Algebra I, Part 2
  - Equations and Inequalities - Algebra I, Part 2
    - Solving Problems With Linear Equations in 1 Variable (AlgI.2)

**8.M.3.1.2 Translate simple word statements and story problems into algebraic expressions and equations. (340.01.b)**

- Math Problem Solving
  - Beginning Algebra: Math Problem Solving
    - Bean Counting: 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
    - Building Boats: 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)
- Algebra I, Part 1
  - Basic Number Ideas - Algebra I, Part 1
    - Using Basic Number Ideas (AlgI.1)
  - Math Sentences - Algebra I, Part 1
    - Expressions in 1 Variable (AlgI.1)
    - Expressions in 2 or More Variables (AlgI.1)



**8.M.3.1.3 Use symbols “<,” “>,” “=,” “≠,” “≤,” and “≥” to express relationships. (340.01.c)**

PLATO Course Pre-Algebra, Semester B  
Unit 4 - Expressions, Equations, and Inequalities  
Expressions in 1 Variable (Pre-AlgB)  
Algebra I, Part I  
Basic Number Ideas - Algebra I, Part I  
Using Basic Number Ideas (AlgI.1)  
Math Sentences - Algebra I, Part I  
Expressions in 1 Variable (AlgI.1)

**Goal 3.2: Evaluate algebraic expressions.**

**8.M.3.2.1 Use and apply the following properties in evaluating algebraic expressions: commutative, associative, identity, zero, inverse, distributive, and substitution. (340.02.a)**

PLATO Course Algebra I, Semester A v2.0  
Unit 1 - Rational Numbers, Exponents, and Square Roots  
Properties of Real Numbers  
PLATO Course Pre-Algebra, Semester B  
Unit 4 - Expressions, Equations, and Inequalities  
Adding Monomials (Pre-AlgB)  
Subtracting Monomials (Pre-AlgB)  
Subtracting Binomials and Monomials (Pre-AlgB)  
Foundational Mathematics  
Understanding Multiplication  
Using the Distributive Property of Multiplication over Addition  
Algebra I, Part I  
Math Sentences - Algebra I, Part I  
Adding Monomials (AlgI.1)  
Subtracting Monomials (AlgI.1)  
Adding Binomials and Monomials (AlgI.1)  
Subtracting Binomials and Monomials (AlgI.1)  
Multiplying Binomials and Monomials (AlgI.1)  
Algebra I, Part 2  
Polynomials and Factoring - Algebra I, Part 2  
Polynomial Sum (AlgI.2)  
Polynomial Difference (AlgI.2)  
Product of a Monomial and Polynomial (AlgI.2)  
Simplifying Polynomial Expressions (AlgI.2)  
Review: Polynomials and Factoring (AlgI.2)



Algebra 2, Part 2

Numbers and Their Properties - Algebra 2, Part 2

Simplifying Algebraic Expressions (Alg2.2)

Multiplying Algebraic Expressions (Alg2.2)

**8.M.3.2.2 Use the order of operations in evaluating simple algebraic expressions. (340.02.b)**

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 2 or More Variables (Pre-AlgB)

Adding Monomials (Pre-AlgB)

Subtracting Monomials (Pre-AlgB)

Subtracting Binomials and Monomials (Pre-AlgB)

Algebra I, Part 1

Math Sentences - Algebra I, Part 1

Order of Operations (AlgI.1)

Expressions in 2 or More Variables (AlgI.1)

Adding Monomials (AlgI.1)

Subtracting Monomials (AlgI.1)

Adding Binomials and Monomials (AlgI.1)

Subtracting Binomials and Monomials (AlgI.1)

Algebra I, Part 2

Polynomials and Factoring - Algebra I, Part 2

Polynomial Sum (AlgI.2)

Polynomial Difference (AlgI.2)

Simplifying Polynomial Expressions (AlgI.2)

Algebra 2, Part 2

Numbers and Their Properties - Algebra 2, Part 2

Simplifying Algebraic Expressions (Alg2.2)

**8.M.3.2.3 Simplify algebraic expressions. (340.02.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 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)
- Projects for the Real World H
  - PRW H - Maya Mystery
    - What's in a Bone?
      - Graph and Compare
- Algebra 1, Part 1
  - Math Sentences - Algebra 1, Part 1
  - Order of Operations (Alg1.1)
  - Expressions in 1 Variable (Alg1.1)
  - Expressions in 2 or More Variables (Alg1.1)
  - Determining the Truth Value of a Statement (Alg1.1)
  - Adding Monomials (Alg1.1)
  - Subtracting Monomials (Alg1.1)
  - Adding Binomials and Monomials (Alg1.1)
  - Subtracting Binomials and Monomials (Alg1.1)
- Algebra 1, Part 2
  - Polynomials and Factoring - Algebra 1, 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.**

**8.M.3.3.I Solve one- and two-step equations and inequalities. (340.03.a)**

- PLATO Course Pre-Algebra, Semester B
  - Unit 4 - Expressions, Equations, and Inequalities
    - Linear Equations in 1 Variable: Solving by Inspection (Pre-AlgB)
    - Linear Equations in 1 Variable: Isolating the Variable (Pre-AlgB)
    - Simple Equations in 1 Variable: Using Inspection (Pre-AlgB)
    - Simple Equations in 1 Variable: Isolating the Variable (Pre-AlgB)



- 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)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Ratio/Proportion/% H
    - Find numbers from percents
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Ratio/Proportion/%
    - Find numbers from percents
- Algebra 1, Part 1
  - Math Sentences - Algebra 1, Part 1
    - Linear Equations in 1 Variable: Solving by Inspection (Alg1.1)
    - Linear Equations in 1 Variable: Isolating the Variable (Alg1.1)
    - Linear Inequalities in 1 Variable, Part 1 (Alg1.1)
    - Linear Inequalities in 1 Variable, Part 2 (Alg1.1)
    - More Difficult Linear Inequalities in 1 Variable (Alg1.1)
- Algebra 1, Part 2
  - Equations and Inequalities - Algebra 1, Part 2
    - Simple Equations in 1 Variable: Using Inspection (Alg1.2)
    - Simple Equations in 1 Variable: Isolating the Variable (Alg1.2)
    - 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)

**8.M.3.3.2 Match graphical representations with simple linear equations.  
(340.03.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
- PLATO Course Pre-Algebra, Semester B
  - Unit 4 - Expressions, Equations, and Inequalities
    - 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)
    - Linear Patterns (Pre-AlgB)



- Graphs, Slopes, and y-Intercepts (Pre-AlgB)
- Interpreting Graphs to Solve Problems (Pre-AlgB)
- Algebra I, Part I
  - Math Sentences - Algebra I, Part I
    - Linear Equations in 1 Variable: Solving by Inspection (Alg1.1)
    - Linear Equations in 1 Variable: Isolating the Variable (Alg1.1)
  - Graphing Basics - Algebra I, Part I
    - Graphing Linear Equations in 2 Variables (Alg1.1)
  - Introduction to Functions - Algebra I, Part I
    - Linear Patterns (Alg1.1)
    - Graphs, Slopes, and y-Intercepts (Alg1.1)
- Algebra I, Part 2
  - Equations and Inequalities - Algebra I, Part 2
    - Review: Equations and Inequalities (Alg1.2)
- 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
    - Equations and Graphs of Functions, Part 2 (Alg2.2)

**Goal 3.4: Understand the concept of functions.**

**8.M.3.4.1 Extend patterns and identify a rule (function) that generates the pattern using rational numbers. (343.01.a)**

- 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 B
  - Unit 4 - Expressions, Equations, and Inequalities
    - Patterns and Sequences (Pre-AlgB)
- Algebra I, Part I
  - Introduction to Functions - Algebra I, Part I
    - Patterns and Sequences (Alg1.1)



**8.M.3.4.2 Use relationships to explain how a change in one quantity may result in a change in another, and identify the relationship as a positive, negative, or neither. (343.01.b)**

- PLATO Course Pre-Algebra, Semester B
  - Unit 4 - Expressions, Equations, and Inequalities
    - Linear Patterns (Pre-AlgB)
  - Projects for the Real World I
    - PRW I - Earning Money
      - Creating a Budget
        - Money Makers
      - Buying Smart
        - A Fraction of the Cost
        - Which Price is Right?
    - PRW I - Making a Video
      - Time Factors
        - Shooting Time
    - PRW I - Space Center
      - Weather Forecast
        - Storm Map
  - Algebra I, Part I
    - Introduction to Functions - Algebra I, Part I
      - Describing Functions with Equations, Tables, and Graphs (AlgI.1)
      - Linear Patterns (AlgI.1)
  - Algebra 2, Part 2
    - Functions and Their Graphs - Algebra 2, Part 2
      - Translations and Transformations (Alg2.2)
      - Functional Values (Alg2.2)

**8.M.3.4.3 Use appropriate vocabulary and notations. (343.01.c)**

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



**Goal 3.5: Represent equations, inequalities and functions in a variety of formats.**

**8.M.3.5.I Represent a set of data in a table, as a graph, and as a mathematical relationship. (343.02.a)**

Math Problem Solving

Math Fundamentals: Math Problem Solving

Building a Highway: Math Fundamentals: Math Problem Solving

Car Costs: Math Fundamentals: Math Problem Solving

Running a Business: Math Fundamentals: Math Problem Solving

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

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

Building Boats: 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 Geometry, Semester A v2.0

Unit 1 - Geometry Basics, Points, Lines, Planes, and Angles

Problem Solving, Patterns, and Solutions

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Linear Equations in 1 Variable: Solving by Inspection (Pre-AlgB)

Linear Equations in 1 Variable: Isolating the Variable (Pre-AlgB)

Literal Equations (Pre-AlgB)

Adapting and Using Formulas (Pre-AlgB)

Using Linear Equations to Solve Problems (Pre-AlgB)

Linear Patterns (Pre-AlgB)

Interpreting Graphs to Solve Problems (Pre-AlgB)

Algebra I, Part I

Basic Number Ideas - Algebra I, Part I

Using Basic Number Ideas (AlgI.1)

Math Sentences - Algebra I, Part I

Linear Equations in 1 Variable: Solving by Inspection (AlgI.1)



- Linear Equations in 1 Variable: Isolating the Variable (Alg1.1)
- Using Linear Equations to Solve Problems (Alg1.1)
- Graphing Basics - Algebra 1, Part 1
  - Solving Problems with Systems of Linear Equations (Alg1.1)
- Equations and Formulas - Algebra 1, Part 1
  - Literal Equations (Alg1.1)
  - Adapting and Using Formulas (Alg1.1)
- Introduction to Functions - Algebra 1, Part 1
  - Describing Functions with Equations, Tables, and Graphs (Alg1.1)
  - Linear Patterns (Alg1.1)
- Algebra 1, Part 2
  - Equations and Inequalities - Algebra 1, Part 2
    - Review: Equations and Inequalities (Alg1.2)
- Algebra 2, Part 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)
- Miscellaneous Math Resource
  - Control Charts
    - Control Chart Basics
    - Selecting and Completing Control Charts
    - Using Control Charts

**Goal 3.6: Apply functions to a variety of problems.**

**8.M.3.6.1 Use patterns and linear functions to represent and solve problems. (343.03.a)**

- 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 B
  - Unit 4 - Expressions, Equations, and Inequalities
    - Patterns and Sequences (Pre-AlgB)
- Algebra 1, Part 1
  - Introduction to Functions - Algebra 1, Part 1
    - Patterns and Sequences (Alg1.1)



## Standard 4: Concepts and Principles of Geometry

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

#### 8.M.4.1.1 Describe and classify relationships among types of one-, two-, and three- dimensional geometric figures, using their defining properties. (341.01.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

Angles in Polygons

PLATO Course Geometry, Semester B v2.0

Unit 1 - Geometry of the Right Triangle and Right Triangle Trigonometry

Structures of Euclidean and Non-Euclidean Geometries

PLATO Course Pre-Algebra, Semester B

Unit 2 - Geometry

Introduction to Polygons (Pre-AlgB)

Special Angles, Part I (Pre-AlgB)

Introduction to Quadrilaterals (Pre-AlgB)

The Pythagorean Theorem I (Pre-AlgB)

Introduction to Solid Figures (Pre-AlgB)

Projects for the Real World H

PRW H - Maya Mystery

Made in Copan

Mapping a Tomb

Math Expeditions H

Math Expedition H - Arkansas Wildlife Refuge

Geometry H

Classify points, lines & angle

Identify geometric shapes

Measure angles

Math Expeditions I

Math Expeditions I - Philadelphia Archeology

Geometry I

Classify points, lines & angle

Identify geometric shapes

Measure angles

Foundational Mathematics

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- Plane and Solid Figures
  - Lines, Parts of Lines, and Angles
  - Lines in a Plane
  - Introduction to Triangles
  - Introduction to Quadrilaterals
  - Introduction to Solid Figures
- Geometry I
  - Geometry
    - Special Angles, Part 1
    - Special Angles, Part 2
    - The Pythagorean Theorem 1
  - Measurement
  - Volume
- Geometry 2
  - Introduction to Geometry
    - Points, Lines, and Planes
    - Intersecting Lines and Planes
  - Triangles and Lines
    - The Sum of the Angles in a Triangle
    - The Pythagorean Theorem 2
  - Polygons
    - Introduction to Polygons
    - Parallelograms, Part 1
    - Parallelograms, Part 2
    - Rhombuses and Trapezoids
  - Solids and Coordinate Geometry
    - Prisms
    - Area and Volume of Cylinders
    - Area and Volume of Cones

**8.M.4.1.2 Draw and measure various angles and shapes using appropriate tools. (3A1.01.b)**

- PLATO Course Geometry, Semester A v2.0
  - Unit 2 - Parallel and Perpendicular Lines and Triangles
    - Constructing Congruent Triangles
- PLATO Course Pre-Algebra, Semester B
  - Unit 2 - Geometry
    - Special Angles, Part 1 (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Geometry H
      - Measure angles



- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Geometry I
    - Measure angles
- Foundational Mathematics
  - Plane and Solid Figures
  - Lines in a Plane
- Geometry I
  - Geometry
    - Special Angles, Part I
- Geometry 2
  - Introduction to Geometry
  - Points, Lines, and Planes

**8.M.4.1.3 Apply the fundamental concepts, properties, and relationships among points, lines, rays, planes, and angles. (341.01.c)**

- PLATO Course Geometry, Semester B v2.0
  - Unit 1 - Geometry of the Right Triangle and Right Triangle Trigonometry
  - Structures of Euclidean and Non-Euclidean Geometries
- PLATO Course Pre-Algebra, Semester B
  - Unit 2 - Geometry
    - Special Angles, Part I (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Geometry H
    - Classify points, lines & angle
    - Measure angles
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Geometry I
    - Classify points, lines & angle
    - Measure angles
- Foundational Mathematics
  - Plane and Solid Figures
  - Lines, Parts of Lines, and Angles
  - Lines in a Plane
- Geometry I
  - Geometry
    - Special Angles, Part I
- Geometry 2
  - Introduction to Geometry
  - Points, Lines, and Planes



## Intersecting Lines and Planes

### **8.M.4.I.4 Identify and model the effects of reflections, translations, rotations, and scaling on various shapes. (341.01.g)**

#### 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 2 - Similarity, Congruency, and Transformations

Similar Polygons

Finding Missing Parts of Geometric Figures

Effects of Simple Transformations and Their Compositions

Unit 4 - Geometry of the Coordinate Plane

Congruence Transformations and the Coordinate Plane

#### PLATO Course Pre-Algebra, Semester B

Unit 2 - Geometry

Changing Polygons and Circles

Translations (Pre-AlgB)

Rotations (Pre-AlgB)

#### Math Expeditions H

Math Expedition H - Arkansas Wildlife Refuge

Geometry H

Identify congruent & similar

#### Math Expeditions I

Math Expeditions I - Philadelphia Archeology

Geometry I

Identify congruent & similar

#### Foundational Mathematics

Understanding Ratio and Proportion

Understanding Ratio

Understanding Proportion

Plane and Solid Figures

Exploring Similar Figures

#### Geometry 2

Transformations, Symmetry, and Area

Translations

Rotations



**8.M.4.1.5 Identify congruence, similarities, and line symmetry of shapes.  
(341.01.d)**

- PLATO Course Pre-Algebra, Semester B
  - Unit 2 - Geometry
    - Changing Polygons and Circles
    - Exploring Congruent Figures (Pre-AlgB)
    - Exploring Similar Figures (Pre-AlgB)
    - Symmetry (Pre-AlgB)
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Geometry H
      - Identify congruent & similar
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Geometry I
      - Identify congruent & similar
- Foundational Mathematics
  - Plane and Solid Figures
    - Exploring Congruent Figures
    - Exploring Similar Figures
    - Line Symmetry in Plane Figures
- Geometry 2
  - Transformations, Symmetry, and Area
    - Symmetry

**8.M.4.1.6 Explain the concept of surface area and volume (capacity).  
(341.01.f)**

- 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 Pre-Algebra, Semester B
  - Unit 2 - Geometry
    - Calculating the Volume of a Rectangular Prism (Pre-AlgB)
    - Surface Area of Prisms, Pyramids, and Cylinders
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Geometry H
      - Find the volume
      - Find the surface area



- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Geometry I
      - Find the volume
      - Find the surface area
- Foundational Mathematics
  - Using Geometry
    - Calculating the Volume of a Rectangular Prism
- Geometry I
  - Measurement
    - Volume
    - Using Measurement

**8.M.4.1.7 Use appropriate vocabulary and symbols. (341.01.h)**

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

**Goal 4.3: Apply graphing in two dimensions.**

**8.M.4.3.1 Identify and plot points on a coordinate plane. (341.03.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)
- Projects for the Real World H
  - PRW H - Maya Mystery
    - Made in Copan
    - Mapping a Tomb
    - Latitude and Longitude
  - Books of Stone
    - A Stone Forest
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Geometry H
      - Locate coordinate points
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Geometry I



- Locate coordinate points
- 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 I
  - Graphs and Linear Equations - Algebra 2, Part I
    - The Coordinate Plane (Alg2.1)
    - Graphing Ordered Pairs (Alg2.1)
    - Review: Graphs (Alg2.1)
- Geometry 2
  - Solids and Coordinate Geometry
    - Coordinates in Three Dimensions

## **Standard 5: Data Analysis, Probability, and Statistics**

### **Goal 5.1: Understand data analysis.**

#### **8.M.5.1.1 Analyze and interpret tables, charts, and graphs, including frequency tables, scatter plots, broken line graphs, line plots, bar graphs, histograms, circle graphs, and stem-and-leaf plots. (342.01.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 1, Semester A v2.0
  - Unit 4 - Linear Relations, Systems, Functions, and Special Topics
    - Creating and Interpreting Stem-and-Leaf Plots
    - Creating and Interpreting Circle Graphs
- PLATO Course Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - Interpreting Bar, Line, and Circle Graphs and Scatter Plots
- Projects for the Real World H
  - PRW H - All Kinds of Families
    - Family Changes
      - Changing Family Life
  - PRW H - Medical Mix-Up
    - Up in Smoke
    - X-Rays Mark the Spot



- Know It By Heart
  - Body Fat
  - Easy Test to Pass
  - Drug Detection Methods
- PRW H - Consumer Guide
  - Money Talks
  - Conscious Choices
  - Who Does What?
  - Product Reports
  - What Are Product Reports?
  - Can You Afford It?
  - ScatterPlots
- PRW H - Maya Mystery
  - Made in Copan
  - Imports and Exports
  - What's in a Bone?
  - Graph and Compare
  - Observe and Compare
- Projects for the Real World I
  - PRW I - Earning Money
    - The Right Match
    - Balancing Act
    - Get the Word Out
    - Where the Jobs Are
  - Survival Skills
    - Following Directions
    - Time to Buck Up
    - Single File
  - PRW I - Trouble in Camelot
    - Call an Expert
    - Call for Help
    - Go to Court
    - Do Your Research
  - PRW I - Making a Video
    - Where to Shoot
    - Choosing a Room
  - PRW I - Space Center
    - Historical View
    - Timelines
    - Troubleshooting
    - Flowcharts
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge

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- Graphs H
  - Data from graphs
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
- Graphs I
  - Data from graphs
- Algebra I, Part I
  - Introduction to Functions - Algebra I, Part I
  - Interpreting Graphs to Solve Problems (Alg I. I)
- Data Skills for Today
  - Reading Graphical Data
    - Reading Pie Charts
    - Reading Line Graphs
    - Reading Bar Graphs
    - Reading Data in Tables
  - Computing Graphical Data
    - Graphing and Charting
    - Tables
    - Using Line Graphs
    - Using Bar Graphs
    - Using Pie Charts
    - Using Histograms
  - Reading Complex Charts and Graphs
    - Reading Histograms
    - Reading Complex Tables
- Miscellaneous Math Resource
  - Charting and Graphing
    - Charts and Graphs for Quality
    - Understanding Scatter Diagrams
    - Interpreting Scatter Diagrams
    - Interpreting Histograms
  - Control Charts
    - Control Chart Basics
    - Using Control Charts

**8.M.5.1.2 Explain and justify conclusions drawn from tables, charts, and graphs. (342.01.b)**

- 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

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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  
Projects for the Real World H  
PRW H - Maya Mystery  
Made in Copan  
Imports and Exports  
What's in a Bone?  
Graph and Compare  
Observe and Compare  
Projects for the Real World I  
PRW I - Earning Money  
Creating a Budget  
Income and Expenses  
Time to Buck Up  
Single File  
Buying Smart  
A Fraction of the Cost  
PRW I - Making a Video  
Where to Shoot  
Choosing a Room  
PRW I - Space Center  
Weather Forecast  
Storm Map

**8.M.5.1.3 Use appropriate vocabulary and notations. (342.01.c)**

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

**Goal 5.2: Collect, organize, and display data.**

**8.M.5.2.1 Collect, organize, and display data with appropriate notation in tables, charts, and graphs, including scatter plots, broken line graphs, line plots, bar graphs, histograms, and stem-and-leaf plots. (342.02.a)**

Math Problem Solving  
Data Skills: Math Problem Solving  
Planning a Playground: Data Skills: Math Problem Solving  
Growing Lilies: Data Skills: Math Problem Solving

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- Beginning Algebra: Math Problem Solving
  - Tunnel Through Bald Mountain: Beginning Algebra: Math Problem Solving
- Probability and Statistics: Math Problem Solving
  - Making the Grade: 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 Stem-and-Leaf Plots
- PLATO Course Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - Creating Bar, Line, and Circle Graphs and Scatter Plots
- Projects for the Real World H
  - PRW H - All Kinds of Families
    - Family Changes
      - Changing Family Life
  - PRW H - Consumer Guide
    - Product Reports
      - What Are Product Reports?
      - Can You Afford It?
      - ScatterPlots
  - PRW H - Maya Mystery
    - Books of Stone
      - Using Timelines
      - Tables and Kings
      - What's in a Bone?
        - Observe and Compare
- Projects for the Real World I
  - PRW I - Making a Video
    - Where to Shoot
      - Choosing a Room
- Data Skills for Today
  - Computing Graphical Data
    - Tables
      - Constructing Graphs and Charts
        - Constructing Line Graphs
        - Constructing Bar Graphs
        - Constructing Histograms
        - Selecting Graphs and Charts
- Miscellaneous Math Resource
  - Data Collection
    - Assuring Accuracy
    - Using Data Collection Tools
  - Control Charts
    - Control Chart Basics

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## Selecting and Completing Control Charts

### **Goal 5.3: Apply simple statistical measurements.**

#### **8.M.5.3.1 Choose and calculate the appropriate measure of central tendency - mean, median, and mode. (342.03.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

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

Projects for the Real World H

PRW H - Medical Mix-Up

Know It By Heart

Body Fat

Math Expeditions H

Math Expedition H - Arkansas Wildlife Refuge

Probability/Stats H

Range, median, mode & mean

Math Expeditions I

Math Expeditions I - Philadelphia Archeology

Probability/Stats I

Range, median, mode & mean

Algebra I, Part I

Special Topics - Algebra I, Part I

Mean, Median, and Mode (Alg I. I)

Solving Problems with Mean, Median, and Mode (Alg I. I)

Miscellaneous Math Resource

Charting and Graphing

Basic Statistics

#### **8.M.5.3.2 Explain the significance of distribution of data, including range, frequency, gaps, and clusters. (342.03.b)**

Math Problem Solving

Probability and Statistics: Math Problem Solving

Statistics for Quality: Probability and Statistics: Math Problem Solving

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- PLATO Course Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - Box-and-Whisker Plots
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Probability/Stats H
      - Range, median, mode & mean
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Probability/Stats I
      - Range, median, mode & mean
- Data Skills for Today
  - Reading Complex Charts and Graphs
    - Reading Histograms
- Miscellaneous Math Resource
  - Charting and Graphing
    - Interpreting Histograms
    - Basic Statistics

**Goal 5.4: Understand basic concepts of probability.**

**8.M.5.4.1 Model situations of probability using simulations. (342.04.a)**

- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Probability/Stats H
      - Find probability & outcomes
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Probability/Stats I
      - Find probability & outcomes
- Algebra I, Part I
  - Special Topics - Algebra I, Part I
    - Probability and Possible Outcomes (AlgI.1)
- Miscellaneous Math Resource
  - Data Collection
    - Using Data Collection Tools

**8.M.5.4.2 Recognize equally likely outcomes. (342.01.c)**

- Math Problem Solving
  - Probability and Statistics: Math Problem Solving
    - The Fund Raiser: Probability and Statistics: Math Problem Solving



PLATO Course Pre-Algebra, Semester B  
Unit 3 - Statistics and Graphs  
Determining the Probability of an Event (Pre-AlgB)  
Chance Experiments and Probability (Pre-AlgB)  
Math Expeditions H  
Math Expedition H - Arkansas Wildlife Refuge  
Probability/Stats H  
Find probability & outcomes  
Math Expeditions I  
Math Expeditions I - Philadelphia Archeology  
Probability/Stats I  
Find probability & outcomes  
Algebra 1, Part I  
Special Topics - Algebra 1, Part I  
Probability and Possible Outcomes (Alg1.1)  
Probability of an Event (Alg1.1)  
Solving Problems with Probability (Alg1.1)  
Algebra 2, Part I  
Probability - Algebra 2, Part I  
Chance Experiments and Probability (Alg2.1)  
Determining the Probability of an Event (Alg2.1)  
Review: Probability (Alg2.1)

**8.M.5.4.3 Explain that probability ranges from 0% to 100% and identify a situation as having high or low probability.**

Math Problem Solving  
Probability and Statistics: Math Problem Solving  
The Fund Raiser: Probability and Statistics: Math Problem Solving  
PLATO Course Pre-Algebra, Semester B  
Unit 3 - Statistics and Graphs  
Determining the Probability of an Event (Pre-AlgB)  
Chance Experiments and Probability (Pre-AlgB)  
Math Expeditions H  
Math Expedition H - Arkansas Wildlife Refuge  
Probability/Stats H  
Find probability & outcomes  
Math Expeditions I  
Math Expeditions I - Philadelphia Archeology  
Probability/Stats I  
Find probability & outcomes  
Algebra 1, Part I  
Special Topics - Algebra 1, Part I



- Probability and Possible Outcomes (Alg1.1)
- Probability of an Event (Alg1.1)
- Solving Problems with Probability (Alg1.1)
- Algebra 2, Part I
  - Probability - Algebra 2, Part I
    - Chance Experiments and Probability (Alg2.1)
    - Determining the Probability of an Event (Alg2.1)
    - Review: Probability (Alg2.1)

#### **8.M.5.4.4 Use the language of probability. (342.04.b)**

- PLATO Course Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - Determining the Probability of an Event (Pre-AlgB)
- Projects for the Real World I
  - PRW I - Space Center
    - Form an Opinion
    - Check the Facts
- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
    - Probability/Stats H
      - Find probability & outcomes
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
    - Probability/Stats I
      - Find probability & outcomes
- Algebra 2, Part I
  - Probability - Algebra 2, Part I
    - Determining the Probability of an Event (Alg2.1)
    - Review: Probability (Alg2.1)

#### **Goal 5.5: Make predictions or decisions based on data.**

#### **8.M.5.5.1 Make predictions based on experimental and theoretical probabilities. (342.05.a)**

- Math Problem Solving
  - Probability and Statistics: Math Problem Solving
    - The Fund Raiser: Probability and Statistics: Math Problem Solving
- PLATO Course Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - Determining the Probability of an Event (Pre-AlgB)
    - Chance Experiments and Probability (Pre-AlgB)



- Math Expeditions H
  - Math Expedition H - Arkansas Wildlife Refuge
  - Probability/Stats H
    - Find probability & outcomes
- Math Expeditions I
  - Math Expeditions I - Philadelphia Archeology
  - Probability/Stats I
    - Find probability & outcomes
- Algebra 1, Part 1
  - Special Topics - Algebra 1, Part 1
    - Probability and Possible Outcomes (Alg1.1)
    - Probability of an Event (Alg1.1)
    - Solving Problems with Probability (Alg1.1)
- Algebra 2, Part 1
  - Probability - Algebra 2, Part 1
    - Chance Experiments and Probability (Alg2.1)
    - Determining the Probability of an Event (Alg2.1)
    - Review: Probability (Alg2.1)

**8.M.5.5.2 Conduct statistical experiments and interpret results using tables, charts, or graphs. (342.05.c)**

- 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 Pre-Algebra, Semester B
  - Unit 3 - Statistics and Graphs
    - More on Central Tendencies
- Projects for the Real World H
  - PRW H - All Kinds of Families
    - Family Changes
      - Changing Family Life
  - PRW H - Medical Mix-Up
    - Up in Smoke
      - X-Rays Mark the Spot
    - Know It By Heart
      - Body Fat
    - Easy Test to Pass
      - Drug Detection Methods



- PRW H - Consumer Guide
  - Making a Complaint
  - Writing a Complaint Guide
  - Money Talks
    - Who Does What?
  - Product Reports
    - What Are Product Reports?
  - Can You Afford It?
    - ScatterPlots
- PRW H - Maya Mystery
  - Made in Copan
    - Imports and Exports
  - Books of Stone
    - Using Timelines
    - Tables and Kings
  - What's in a Bone?
    - Graph and Compare
    - Observe and Compare
- Projects for the Real World I
  - PRW I - Earning Money
    - The Right Match
    - Balancing Act
    - Get the Word Out
      - Where the Jobs Are
    - Survival Skills
      - Following Directions
    - Time to Buck Up
      - Single File
  - PRW I - Trouble in Camelot
    - Call an Expert
      - Call for Help
    - Go to Court
      - Do Your Research
  - PRW I - Making a Video
    - Where to Shoot
      - Choosing a Room
  - PRW I - Space Center
    - Historical View
      - Timelines
    - Troubleshooting
      - Flowcharts
- Data Skills for Today
  - Reading Graphical Data

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- Reading Data in Tables
- Computing Graphical Data
  - Tables
- Reading Complex Charts and Graphs
  - Reading Complex 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
    - Using Control Charts

### **8.M.5.5.3 Use appropriate vocabulary and notations. (342.05.b)**

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