



The Correlation of PLATO® Curricula to the Idaho Content Standards

Grade 06 - 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 06, Mathematics, Grade 06. 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**
- Geometry 1**
- Geometry 2**
- Foundational Mathematics**
- Math Problem Solving**
- Miscellaneous Math Resource**
- Math Expeditions F**
- Math Expeditions G**
- Math Expeditions H**
- Math Expeditions I**
- PLATO Course Algebra 1**
- PLATO Course Algebra 2**
- PLATO Course Pre-Algebra**
- Projects for the Real World F**
- Projects for the Real World G**
- Projects for the Real World H**
- Projects for the Real World I**
- Trigonometry Skills**

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

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Grade 06

Standard I: Number and Operation

Goal I.I: Understand and use numbers.

6.M.I.I.I Compare magnitudes and relative magnitudes of positive rational numbers, including whole numbers through billions, fractions, and decimals. (317.01.a, 317.01.d)

Math Problem Solving

Math Fundamentals: Math Problem Solving

Building a Highway: Math Fundamentals: Math Problem Solving

PLATO Course Pre-Algebra, Semester A

Unit I - Whole Numbers

Comparing and Ordering Whole Numbers

Projects for the Real World F

PRW F - School Proposal

Save our Earth!

Cost Sheet

PRW F - Food Bank

Food Flow

Flowcharts

Disaster Plan

What Could Happen?

Projects for the Real World G

PRW G - Yellowstone Connection

Earth Energy

Making Graphs

Projects for the Real World H

PRW H - Consumer Guide

Going Shopping

Learning to Shop

Projects for the Real World I

PRW I - Earning Money

Buying Smart

A Fraction of the Cost

Which Price is Right?

Math Expeditions F

Math Expeditions F - Cumberland Island

Numeration Compare F

Compare numbers to 999,999

Numeration Order F

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- Order numbers to 999,999
- Numeration Place Value F
 - Identify place value millions
- Fractions F
 - Add & subtract different fractions
 - Add mixed numbers
 - Subtract mixed numbers
- Decimals F
 - Compare, order, round decimals
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Numeration Compare G
 - Compare numbers to millions
 - Numeration Order G
 - Order numbers to millions
 - Fractions G
 - Compare and order fractions
- Math Expeditions H
 - Math Expedition H - Arkansas Wildlife Refuge
 - Numeration Compare H
 - Compare numbers to millions
 - Compare numbers & decimals
 - Numeration Order H
 - Order numbers to millions
 - Order numbers & decimals
 - Fractions H
 - Compare and order fractions
- Math Expeditions I
 - Math Expeditions I - Philadelphia Archeology
 - Numeration Compare I
 - Compare numbers to millions
 - Compare whole numbers/decimals
 - Numeration Order I
 - Order numbers to millions
 - Order numbers & decimals
 - Fractions I
 - Compare and order fractions
- Foundational Mathematics
 - Understanding Whole Numbers I
 - Greater Than, Less Than, Equal To
 - Understanding Multiplication
 - Finding Common Multiples and the Least Common Multiple
 - Understanding Fractions

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- Proper Fractions and Improper Fractions
- Working with Common Denominators and the Least Common Denominator
- Comparing Fractions
- Ordering Fractions
- Understanding Decimals
 - Understanding Decimal Place Value: Tenths and Hundredths
 - Comparing and Ordering Decimals
- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Multiplying Common Fractions (AlgI.I)
 - Adding and Subtracting Fractions (AlgI.I)

6.M.1.1.2 Explain the interrelationship of fractions, decimals, and percents. (317.01.b)

- PLATO Course Pre-Algebra, Semester A
 - Unit 3 - Decimals
 - Fractions and Repeating Decimals
 - Rational and Irrational Numbers
 - Unit 4 - Ratios and Proportions, Percents, and Measurement
 - Mental Math with Fractions and Percents (Pre-AlgA)
- Projects for the Real World F
 - PRW F - School Proposal
 - How Do I Know?
 - Who Wants It?
- Projects for the Real World H
 - PRW H - Consumer Guide
 - Money Talks
 - Who Does What?
- Math Expeditions F
 - Math Expeditions F - Cumberland Island
 - Ratio/Proportion F
 - Decimals & fractions percents
 - Write ratios
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Decimals G
 - Add and subtract decimals
 - Ratio/Proportion G
 - Decimals & fractions percents
- Math Expeditions H
 - Math Expedition H - Arkansas Wildlife Refuge

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- Decimals H
 - Add and subtract decimals
- Ratio/Proportion/% H
 - Decimals & fractions percents
- Math Expeditions I
 - Math Expeditions I - Philadelphia Archeology
 - Fractions I
 - Compare and order fractions
 - Decimals I
 - Add and subtract decimals
 - Ratio/Proportion/%
 - Decimals & fractions percents
- Foundational Mathematics
 - Understanding Fractions
 - Finding Equivalent Fractions
 - Understanding Decimals
 - Understanding Decimals: Tenths
 - Relating Decimals, Fractions, and Mixed Numbers
 - Performing Operations with Decimals
 - Renaming a Fraction as a Decimal
 - Working with Percent
 - Understanding Percent
 - Relating Fractions, Decimals, and Percents
 - Understanding Ratio and Proportion
 - Equivalent Ratios
- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Mental Math with Fractions and Percents (AlgI.1)
 - Special Topics - Algebra I, Part I
 - Converting Percents Less than 1% to Decimals (AlgI.1)
 - Converting a Decimal to a Fraction of a Percent (AlgI.1)
 - Finding the Amount with Percents Less than 1% (AlgI.1)
 - Converting Percents Greater than 100% to Decimals (AlgI.1)
 - Converting a Number Greater than 1 to a Percent (AlgI.1)

6.M.1.1.3 Locate the position of integers on a number line.

- PLATO Course Pre-Algebra, Semester B
 - Unit 1 - Integers
 - The Additive Inverse of Integers (Pre-AlgB)
 - Unit 4 - Expressions, Equations, and Inequalities
 - Coordinate Plane (Pre-AlgB)
- Algebra I, Part I

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Basic Number Ideas - Algebra I, Part I
The Additive Inverse of Integers (AlgI.1)
Graphing Basics - Algebra I, Part I
Coordinate Plane (AlgI.1)

6.M.1.1.4 Convert between decimals and fractions. (317.01.b)

PLATO Course Pre-Algebra, Semester A
Unit 3 - Decimals
Fractions and Repeating Decimals
Unit 4 - Ratios and Proportions, Percents, and Measurement
Mental Math with Fractions and Percents (Pre-AlgA)
Projects for the Real World F
PRW F - School Proposal
How Do I Know?
Who Wants It?
Math Expeditions F
Math Expeditions F - Cumberland Island
Ratio/Proportion F
Decimals & fractions percents
Math Expeditions G
Math Expeditions G - Everglades
Ratio/Proportion G
Decimals & fractions percents
Math Expeditions H
Math Expedition H - Arkansas Wildlife Refuge
Ratio/Proportion/% H
Decimals & fractions percents
Math Expeditions I
Math Expeditions I - Philadelphia Archeology
Ratio/Proportion/%
Decimals & fractions percents
Foundational Mathematics
Performing Operations with Decimals
Renaming a Fraction as a Decimal
Algebra I, Part I
Basic Number Ideas - Algebra I, Part I
Mental Math with Fractions and Percents (AlgI.1)
Special Topics - Algebra I, Part I
Converting Percents Less than 1% to Decimals (AlgI.1)
Converting a Decimal to a Fraction of a Percent (AlgI.1)
Finding the Amount with Percents Less than 1% (AlgI.1)
Converting Percents Greater than 100% to Decimals (AlgI.1)

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Converting a Number Greater than 1 to a Percent (AlgI.1)

6.M.1.1.5 Apply number theory concepts (prime, composite, prime factorization) and identify common factors and common multiples. (317.01.e)

PLATO Course Pre-Algebra, Semester A

Unit 2 - Fractions

Finding Factors and Prime Factors

Greatest Common Factors

Math Expeditions F

Math Expeditions F - Cumberland Island

Fractions F

Add & subtract different fractions

Add mixed numbers

Subtract mixed numbers

Foundational Mathematics

Understanding Multiplication

Finding Common Multiples and the Least Common Multiple

Understanding Fractions

Working with Common Denominators and the Least Common

Denominator

Algebra I, Part I

Basic Number Ideas - Algebra I, Part I

Prime and Composite Numbers (AlgI.1)

Multiplying Common Fractions (AlgI.1)

Adding and Subtracting Fractions (AlgI.1)

6.M.1.1.6 Solve problems using the 4-step process of problem solving (explore, plan, solve, and examine). (318.01.b)

Math Problem Solving

Math Fundamentals: Math Problem Solving

Running a Business: Math Fundamentals: 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 4 - Expressions, Equations, and Inequalities

Literal Equations (Pre-AlgB)

Projects for the Real World F

PRW F - School Proposal

Fitness Fun

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- Playground Purchases
- Save our Earth!
- Cost Sheet
- PRW F - Food Bank
- Disaster Plan
- What Could Happen?
- 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.I)
- Special Topics - Algebra I, Part I
- Solving Problems with Percents (AlgI.I)
- Solving Problems with Mean, Median, and Mode (AlgI.I)
- Solving Problems with Probability (AlgI.I)

6.M.1.1.7 Describe the use of integers in real-world situations. (317.01.f)

- PLATO Course Pre-Algebra, Semester B
- Unit I - Integers
- The Additive Inverse of Integers (Pre-AlgB)
- Algebra I, Part I
- Basic Number Ideas - Algebra I, Part I
- The Additive Inverse of Integers (AlgI.I)

6.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.

6.M.1.2.1 Recall basic multiplication and division facts from 12 x 12 Times Table. (317.02.d)

- Projects for the Real World F
 - PRW F - Climbing Mt. McKinley
 - Mountain Dining
 - Water, Water Everywhere
- Foundational Mathematics
 - Multiplying Whole Numbers
 - Multiplying by 0 through 5: Multiplication Basic Facts
 - Multiplying by 6 through 10: Multiplication Basic Facts
 - Dividing Whole Numbers
 - Division Basic Facts

6.M.1.2.2 Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators). (317.02.a, 317.02.b, 317.02.c, 317.02.g)

- 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
- PLATO Course Pre-Algebra, Semester A
 - Unit 2 - Fractions
 - Dividing Fractions (Pre-AlgA)
 - Unit 3 - Decimals
 - Dividing Decimal Numbers
- Projects for the Real World F
 - PRW F - School Proposal
 - How Do I Know?
 - Decisions! Decisions!
 - Who Wants It?
 - PRW F - Food Bank
 - Food Flow
 - Flowcharts
 - PRW F - Climbing Mt. McKinley
 - Mountain Dining
 - Water, Water Everywhere



Projects for the Real World G

PRW G - Volunteering

Get Rid of Graffiti

Paint Needed

Projects for the Real World H

PRW H - Medical Mix-Up

Up in Smoke

X-Rays Mark the Spot

PRW H - Maya Mystery

Dots, Bars & Shells

Calendar Dates

What's in a Bone?

Graph and Compare

Projects for the Real World I

PRW I - Earning Money

Time to Buck Up

Nets and Grosses

Math Expeditions F

Math Expeditions F - Cumberland Island

Number Operation Addition F

Add two or more numbers

Add large numbers

Number Operation Subtraction F

Subtract numbers up to 6-digit

Subtract numbers with zeros

Number Operation Multiply F

Multiply 3 & 4-digit by 1-digi

Multiply 2-digit by 2-digits

Multiply 3-digit by 2-digits

Multiply 3-digit numbers

Number Operation Division F

Divide 2D by 1D w/ remainder

Divide 3D by 1D w/ remainder A

Divide 3D by 1D w/ remainder B

Divide 3D & 4D by 1D with 0

Divide by 2D w/ remainders

Divide 3D and 4D by 2-digit A

Divide 3D and 4D by 2-digit B

Fractions F

Add & subtract same fractions

Add & subtract different fractions

Multiply fractions/mix numbers

Decimals F

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Add and subtract decimals

Multiply decimals

Divide decimals

Math Expeditions G

Math Expeditions G - Everglades

Number Operation Addition G

Add numbers up to 3-digits

Add numbers up to 6-digits

Number Operation Subtraction G

Subtract 1, 2, or 3D numbers

Subtract numbers up to 6-digit

Subtract numbers with zeros

Number Operation Multiply G

Multiply by 1-digit numbers

Multiply by 2, 3, or 4D number

Number Operation Division G

Divide up to 5D by 1D numbers

Divide 3, 4 or 5D by 1D number

2D, 3D ÷ 2D, 1-digit quotient

Divide by 2D, 2-digit quotient

3, 4, 5-digits divided by 2D

4, 5, 6-digits divided by 3D

Fractions G

Add & subtract different fractions

Multiply fractions/mix numbers

Divide fractions

Decimals G

Add and subtract decimals

Multiply decimals

Divide decimals

Math Expeditions H

Math Expedition H - Arkansas Wildlife Refuge

Number Operation Addition H

Add numbers up to 6-digits

Add decimals

Number Operation Subtraction H

Subtract numbers up to 6-digit

Subtract decimals

Number Operation Multiply H

Multiply by 1-digit numbers

Multiply by 2, 3, or 4D number

Multiply decimals

Number Operation Division H

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- Divide whole numbers
- Divide decimal by whole number
- Divide by decimals
- Fractions H
 - Add & subtract different fractions
 - Multiply fractions/mix numbers
 - Divide fractions
- Decimals H
 - Add and subtract decimals
 - Divide decimals
- Math Expeditions I
 - Math Expeditions I - Philadelphia Archeology
 - Number Operation Addition I
 - Add numbers up to 6-digits
 - Add decimals
 - Number Operation Subtraction I
 - Subtract numbers up to 6-digit
 - Subtract decimals
 - Number Operation Multiply I
 - Multiply by 1-digit numbers
 - Multiply by 2, 3, or 4D number
 - Multiply decimals
 - Number Operation Division I
 - Divide whole numbers
 - Divide decimal by whole number
 - Divide by decimals
 - Fractions I
 - Add & subtract different fractions
 - Multiply fractions/mix numbers
 - Divide fractions
 - Decimals I
 - Add and subtract decimals
 - Multiply decimals
 - Divide decimals
- Foundational Mathematics
 - Adding and Subtracting Whole Numbers 1
 - Adding Two 2-Digit Numbers: Sums Less Than 100
 - Adding Three or Four Numbers
 - Subtracting a 1-Digit Number from a 2-Digit Number
 - Subtracting Two 2-Digit Numbers
 - Adding Two 2-Digit Numbers: Sums Greater Than 99
 - Adding and Subtracting Whole Numbers 2
 - Adding Multi-Digit Numbers

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- Subtracting Multi-Digit Numbers with Regrouping
- Subtracting Multi-Digit Numbers with Consecutive Regrouping
- Subtracting across Zeros
- Multiplying Whole Numbers
 - Multiplying a 2-Digit Number by a 1-Digit Number
 - Multiplying a 3-Digit Number by a 1-Digit Number
 - Multiplying a 2-Digit Number by a 2-Digit Number
- Dividing Whole Numbers
 - Dividing by a 1-Digit Number
 - Dividing by a 2-Digit Number
 - Writing a Quotient as a Mixed Number
- Adding and Subtracting Fractions
 - Adding and Subtracting Fractions: Like Denominators
 - Adding and Subtracting Fractions: Unlike Denominators
- Multiplying and Dividing Fractions
 - Multiplying Two Fractions
 - Dividing a Fraction by a Fraction
- Performing Operations with Decimals
 - Adding and Subtracting Decimals
 - Multiplying Decimals
 - Dividing Decimals
- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Multiplying Common Fractions (AlgI.1)
 - Adding and Subtracting Fractions (AlgI.1)
 - Dividing Fractions (AlgI.1)

6.M.1.2.3 Evaluate numerical expressions with whole numbers using the order of operations (excluding exponents). (317.02.e)

- 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)
- Foundational Mathematics
 - Understanding Addition and Subtraction I
 - Finding the Missing Number in Addition
 - Finding the Missing Number in Subtraction
 - Adding and Subtracting Whole Numbers I
 - Adding 0 through 2: Addition Basic Facts
 - Adding 3 through 9: Addition Basic Facts
 - Subtraction Basic Facts
 - Understanding Multiplication



- Finding the Missing Number in Multiplication
- Multiplying Whole Numbers
 - Multiplying by 0 through 5: Multiplication Basic Facts
 - Multiplying by 6 through 10: Multiplication Basic Facts
- Dividing Whole Numbers
 - Division Basic Facts
- Algebra I, Part I
 - Math Sentences - Algebra I, Part I
 - Order of Operations (AlgI.I)
 - Expressions in 2 or More Variables (AlgI.I)

6.M.1.2.4 Select and use an appropriate method of computation from mental math, paper and pencil, calculator or a combination of the three. (317.02.h)

- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Using Basic Number Ideas (AlgI.I)

6.M.1.2.5 Use a variety of strategies to solve real life problems. (318.01.a)

- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Using Basic Number Ideas (AlgI.I)

6.M.1.2.6 Use appropriate vocabulary and notations. (317.02.i)

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.

6.M.1.3.1 Estimate to predict computation results. (317.03.a)

- PLATO Course Pre-Algebra, Semester A
 - Unit I - Whole Numbers
 - Estimation Basics (Pre-AlgA)
 - Projects for the Real World F
 - PRW F - Food Bank
 - Disaster Plan
 - What Could Happen?



Math Expeditions F

Math Expeditions F - Cumberland Island

Number Operation Addition F

Estimate sums

Number Operation Subtraction F

Estimate differences

Number Operation Multiply F

Estimate products

Number Operation Division F

Estimate quotients

Math Expeditions G

Math Expeditions G - Everglades

Number Operation Addition G

Estimate sums

Number Operation Subtraction G

Estimate differences

Number Operation Multiply G

Estimate products

Number Operation Division G

Estimate quotients

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 (Alg I.1)

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6.M.1.3.2 Explain when estimation is appropriate. (317.03.b)

Math Problem Solving

Math Fundamentals: Math Problem Solving

Building a Highway: Math Fundamentals: 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)

6.M.1.3.3 Identify whether a given estimate is an overestimate or underestimate. (317.03.c)

Math Problem Solving

Math Fundamentals: Math Problem Solving

Building a Highway: Math Fundamentals: 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)

6.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

Algebra I, Part I

Basic Number Ideas - Algebra I, Part I

Using Basic Number Ideas (AlgI.I)



6.M.1.3.5 Formulate conjectures and discuss why they must be or seem to be true. (318.02.c)

PLATO Modules are not available for this learning expectation.

6.M.1.3.6 Use appropriate vocabulary. (317.03.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.

6.M.2.1.1 Select and use appropriate units and tools to make formal measurements in both systems. (319.01.a)

PLATO Course Pre-Algebra, Semester A
Unit 4 - Ratios and Proportions, Percents, and Measurement
Capacity
Weight and Mass
Math Expeditions F
Math Expeditions F - Cumberland Island
Measurement Length F
Metric units of length
Measurement Capacity F
Metric units capacity, mass

6.M.2.1.2 Apply estimation of measurement to real-world and content problems using standard measuring devices. (319.01.b)

Math Problem Solving
Math Fundamentals: Math Problem Solving
Building a Highway: Math Fundamentals: Math Problem Solving
PLATO Course Pre-Algebra, Semester A
Unit 1 - Whole Numbers
Estimation Basics (Pre-AlgA)
Projects for the Real World I
PRW I - Space Center
Weather Forecast



- Reading the Map
- Math Expeditions F
 - Math Expeditions F - Cumberland Island
 - Measurement Length F
 - Metric units of length
- 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)

6.M.2.1.3 Apply understanding of relationships to solve real-world problems related to elapsed time. (319.01.f)

- Projects for the Real World G
 - PRW G - Olympic Games
 - Get in Shape!
 - Design an Exercise Plan

6.M.2.1.4 Given the formulas, find the perimeter or circumference and area of triangles, circles and parallelograms (all kinds). (319.01.c, 321.01.e)

- 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)
 - Projects for the Real World F
 - PRW F - Food Bank
 - Plentiful Plot
 - Figuring Area
 - Projects for the Real World G
 - PRW G - Volunteering
 - Get Rid of Graffiti
 - Paint Needed
 - Math Expeditions F
 - Math Expeditions F - Cumberland Island
 - Geometry F
 - Find the perimeter

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- Find the circumference
- Find the area
- Math Expeditions G
- Math Expeditions G - Everglades
- Geometry G
- Find the perimeter
- Find the circumference
- Find the area
- Math Expeditions H
- Math Expedition H - Arkansas Wildlife Refuge
- Geometry H
- Find the perimeter
- Find the circumference
- Find the area
- Math Expeditions I
- Math Expeditions I - Philadelphia Archeology
- Geometry I
- Find the perimeter
- Find the circumference
- Find the area
- Foundational Mathematics
- Plane and Solid Figures
- Introduction to Circles
- Using Geometry
- Calculating the Area of Rectangles and Squares
- Calculating the Area of Triangles

6.M.2.1.5 Convert units of measurement within each system in one-step problems (e.g., quarts to gallons and gallons to quarts). (319.01.e)

- PLATO Course Pre-Algebra, Semester A
- Unit 4 - Ratios and Proportions, Percents, and Measurement
- Length
- Capacity
- Weight and Mass
- Projects for the Real World G
- PRW G - Yellowstone Connection
- Hot Spots in Time
- Hot Spots Through Time



**6.M.2.1.6 Solve problems involving perimeter and area of rectangles.
(321.01.d)**

- Math Problem Solving
 - Math Fundamentals: Math Problem Solving
 - Smart Shopping: Math Fundamentals: Math Problem Solving
- 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)
- Projects for the Real World F
 - PRW F - Food Bank
 - Plentiful Plot
 - Figuring Area
- Projects for the Real World G
 - PRW G - Volunteering
 - Get Rid of Graffiti
 - Paint Needed
- Math Expeditions F
 - Math Expeditions F - Cumberland Island
 - Geometry F
 - Find the perimeter
 - Find the area
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Geometry G
 - Find the perimeter
 - Find the area
- 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

6.M.2.1.7 Use appropriate vocabulary and notations. (319.01.g)

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.

6.M.2.2.1 Identify and write ratios and scales (on a map). (319.03.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

PLATO Course Pre-Algebra, Semester A

Unit 4 - Ratios and Proportions, Percents, and Measurement

Understanding Ratio (Pre-AlgA)

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

Interpreting Graphs to Solve Problems (Pre-AlgB)

Projects for the Real World F

PRW F - Food Bank

Food Flow

Naming and Grouping

Flowcharts

Plentiful Plot

Planting a Garden

PRW F - Designing a Museum

Shocking Invention

Life Without Cars

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

Inspired solutions for teaching and learning™



- PRW I - Earning Money
 - Buying Smart
 - A Fraction of the Cost
- PRW I - Making a Video
 - Time Factors
 - Shooting Time
- PRW I - Space Center
 - Weather Forecast
 - Reading the Map
 - Storm Map
- Math Expeditions F
 - Math Expeditions F - Cumberland Island
 - Ratio/Proportion F
 - Write ratios
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Ratio/Proportion G
 - Write ratios
- Math Expeditions H
 - Math Expedition H - Arkansas Wildlife Refuge
 - Ratio/Proportion/% H
 - Write ratios
- Math Expeditions I
 - Math Expeditions I - Philadelphia Archeology
 - Ratio/Proportion/%
 - Write ratios
- Foundational Mathematics
 - Understanding Ratio and Proportion
 - Understanding Ratio
- Algebra I, Part I
 - Basic Number Ideas - Algebra I, Part I
 - Using Basic Number Ideas (AlgI.I)
 - Special Topics - Algebra I, Part I
 - Scaling and Proportion, Part 1 (AlgI.I)
 - Scaling and Proportion, Part 2 (AlgI.I)



Standard 3: Concepts and Language of Algebra and Functions

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

6.M.3.1.1 Discuss the meaning and use of variables in simple expressions and equations. (320.01.a)

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

6.M.3.1.2 Translate simple word statements into algebraic equations. (320.01.b)

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 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)
Expressions in 2 or More Variables (AlgI.1)



6.M.3.1.3 Read and use symbols of “<,” “>,” and “=” to express relationships. (320.01.c)

PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Expressions in 1 Variable (Pre-AlgB)
Literal Equations (Pre-AlgB)
Solving Problems with Linear Equations 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)
Equations and Formulas - Algebra I, Part I
Literal Equations (AlgI.1)

Goal 3.2: Evaluate algebraic expressions.

6.M.3.2.1 Use the following properties in evaluating numerical expressions: commutative, associative, identity, zero, inverse, and distributive. (320.02.a)

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)
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)

6.M.3.2.2 Evaluate simple algebraic expressions using substitution.

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)
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 I, Part I
Math Sentences - Algebra I, Part I
Expressions in 1 Variable (AlgI.I)
Expressions in 2 or More Variables (AlgI.I)
Determining the Truth Value of a Statement (AlgI.I)

Goal 3.3: Solve algebraic equations and inequalities.

6.M.3.3.I Solve one-step equations with whole numbers. (320.03.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)
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 I
Math Sentences - Algebra I, Part I
Linear Equations in 1 Variable: Solving by Inspection (AlgI.I)
Linear Equations in 1 Variable: Isolating the Variable (AlgI.I)

Goal 3.4: Understand the concept of functions.

6.M.3.4.I Extend simple patterns and state a rule (function) that generates the pattern using whole numbers, decimals, and fractions as inputs. (323.01.a)

PLATO Course Pre-Algebra, Semester B
Unit 4 - Expressions, Equations, and Inequalities
Patterns and Sequences (Pre-AlgB)
Determining the Truth Value of a Statement (Pre-AlgB)
Ordered Pairs as Solutions of Linear Equations (Pre-AlgB)
Linear Patterns (Pre-AlgB)



Algebra I, Part I

Math Sentences - Algebra I, Part I

Determining the Truth Value of a Statement (AlgI.I)

Graphing Basics - Algebra I, Part I

Ordered Pairs as Solutions of Linear Equations (AlgI.I)

Introduction to Functions - Algebra I, Part I

Patterns and Sequences (AlgI.I)

Functions (AlgI.I)

Describing Functions with Equations, Tables, and Graphs (AlgI.I)

Linear Patterns (AlgI.I)

6.M.3.4.2 Describe and extend patterns by using manipulatives and pictorial representations. (323.01.b)

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 (AlgI.I)

6.M.3.4.3 Use mathematical models to show change in a real world context. (323.01.c)

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Linear Patterns (Pre-AlgB)

Interpreting Graphs to Solve Problems (Pre-AlgB)

Algebra I, Part I

Introduction to Functions - Algebra I, Part I

Describing Functions with Equations, Tables, and Graphs (AlgI.I)

Linear Patterns (AlgI.I)

Interpreting Graphs to Solve Problems (AlgI.I)

6.M.3.4.4 Use appropriate vocabulary. (323.01.d)

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



Goal 3.6: Apply functions to a variety of problems.

6.M.3.6.I Use patterns to represent and solve simple problems.

Math Problem Solving

Math Fundamentals: Math Problem Solving

Smart Shopping: Math Fundamentals: Math Problem Solving

PLATO Course Pre-Algebra, Semester B

Unit 4 - Expressions, Equations, and Inequalities

Patterns and Sequences (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.I)

Introduction to Functions - Algebra I, Part I

Patterns and Sequences (AlgI.I)

Standard 4: Concepts and Principles of Geometry

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

6.M.4.1.I Describe relationships among types of one- and two-dimensional geometric figures, using their defining properties. (321.01.a)

PLATO Course Pre-Algebra, Semester B

Unit 2 - Geometry

Introduction to Polygons (Pre-AlgB)

Math Expeditions F

Math Expeditions F - Cumberland Island

Geometry F

Classify points, lines, angles

Identify geometric shapes

Math Expeditions G

Math Expeditions G - Everglades

Geometry G

Classify points, lines, angles

Identify geometric shapes

Math Expeditions H

Math Expedition H - Arkansas Wildlife Refuge

Geometry H

Classify points, lines & angle

Math Expeditions I



Math Expeditions I - Philadelphia Archeology
Geometry I
Classify points, lines & angle
Foundational Mathematics
Plane and Solid Figures
Lines, Parts of Lines, and Angles
Lines in a Plane

6.M.4.1.2 Draw and measure various angles and shapes using appropriate tools. (321.01.b)

PLATO Course Pre-Algebra, Semester B
Unit 2 - Geometry
Special Angles, Part I (Pre-AlgB)
Math Expeditions F
Math Expeditions F - Cumberland Island
Geometry F
Measure angles
Math Expeditions G
Math Expeditions G - Everglades
Geometry G
Measure angles
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

6.M.4.1.3 Apply fundamental concepts, properties, and relationships among points, lines, rays, and angles. (321.01.c)

PLATO Course Pre-Algebra, Semester B
Unit 2 - Geometry
Special Angles, Part I (Pre-AlgB)
Math Expeditions F
Math Expeditions F - Cumberland Island
Geometry F
Classify points, lines, angles
Measure angles
Math Expeditions G

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- Math Expeditions G - Everglades
 - Geometry G
 - Classify points, lines, angles
 - Measure angles
- 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

6.M.4.1.4 Describe reflections, translations, and rotations on various shapes. (321.01.g)

- PLATO Course Pre-Algebra, Semester B
 - Unit 2 - Geometry
 - Changing Polygons and Circles
 - Translations (Pre-AlgB)
 - Rotations (Pre-AlgB)
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Geometry G
 - Identify congruent & similar
- 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



6.M.4.1.5 Identify congruence, similarities, and line symmetry of shapes. (321.01.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 F
 Math Expeditions F - Cumberland Island
 Geometry F
 Identify congruent & similar
Math Expeditions G
 Math Expeditions G - Everglades
 Geometry G
 Identify congruent & similar
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

6.M.4.1.6 Discuss the spatial relationship between two- and three-dimensional objects. (321.01.f)

PLATO Modules are not available for this learning expectation.

6.M.4.1.7 Use appropriate vocabulary and symbols. (323.01.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.

6.M.4.3.1 Identify and plot points in the first quadrant on a coordinate plane. (321.02.a)

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 F
Math Expeditions F - Cumberland Island
Geometry F
Locate coordinate points
Math Expeditions G
Math Expeditions G - Everglades
Geometry G
Locate coordinate points
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 I, Part I
Graphing Basics - Algebra I, Part I
Coordinate Plane (AlgI.I)
Identifying Points on a Coordinate Plane (AlgI.I)



Standard 5: Data Analysis, Probability, and Statistics

Goal 5.1: Understand data analysis.

6.M.5.1.1 Read and interpret tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables, line plots, and circle graphs. (322.01.a)

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 F
PRW F - School Proposal
How Do I Know?
Decisions! Decisions!
Activities for You
A Schedule for Fun
You Be the Judge
The Best Choice
PRW F - Food Bank
Food Flow
Naming and Grouping
Volunteers
Schedules
Plentiful Plot
Figuring Area
PRW F - Designing a Museum
Shocking Invention
Life Without Cars
PRW F - Climbing Mt. McKinley
Clothing
Easy Answers
The Weathermaker
Wind Speed
Projects for the Real World G
PRW G - Yellowstone Connection
Blue Dot Disease
Blue Dot Basics
Updating the Park Map
Earth Energy
Making Graphs
PRW G - Make TV Work for You

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- What Else Can I Do?
- How Much Do You View?
- The Rating Game
- What Are TV Ratings?
- Buying Time
- PRW G - Olympic Games
- What Shall I See?
- Percents
- Getting Around
- Bus Schedules
- 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

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- 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 F
 - Math Expeditions F - Cumberland Island
 - Graphs F
 - Data from graphs
- Math Expeditions G
 - Math Expeditions G - Everglades
 - Graphs G
 - Data from graphs
- Math Expeditions H
 - Math Expedition H - Arkansas Wildlife Refuge
 - 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)

6.M.5.1.2 Explain and justify stated conclusions drawn from tables, charts, and graphs. (322.01.b)

- PLATO Course Pre-Algebra, Semester B
 - Unit 3 - Statistics and Graphs
 - Analyzing the Validity of Data
- Projects for the Real World F
 - PRW F - Food Bank

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Disaster Plan
What Could Happen?
PRW F - Climbing Mt. McKinley
The Weathermaker
Wind Speed
Projects for the Real World H
PRW H - All Kinds of Families
Family Changes
Changing Family Life
PRW H - Medical Mix-Up
Easy Test to Pass
Drug Detection Methods
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

6.M.5.1.3 Use appropriate vocabulary and notations. (322.01.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.

6.M.5.2.1 Collect, organize, and display the data with appropriate notation in tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables and line plots. (322.02.a)

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 F
PRW F - School Proposal
How Do I Know?
Decisions! Decisions!
Activities for You
A Schedule for Fun
PRW F - Food Bank
Food Flow
Flowcharts
PRW F - Climbing Mt. McKinley
Clothing
Easy Answers
Projects for the Real World G
PRW G - Yellowstone Connection
Earth Energy
Making Graphs
PRW G - Make TV Work for You
What Else Can I Do?
How Much Do You View?
The Rating Game
Buying Time
PRW G - Olympic Games
Get in Shape!
Design an Exercise Plan
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?
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

Goal 5.3: Apply simple statistical measurements.

6.M.5.3.1 Find measures of central tendency - mean, median, and mode - with simple sets of data. (322.03.a)

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 F
Math Expeditions F - Cumberland Island
Probability F
Range, median, mode & mean
Math Expeditions G
Math Expeditions G - Everglades
Probability/Stats G
Range, median, mode, & mean
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)



6.M.5.3.2 Calculate the range of a set of data. (322.03.b)

PLATO Course Pre-Algebra, Semester B
Unit 3 - Statistics and Graphs
Box-and-Whisker Plots
Math Expeditions F
Math Expeditions F - Cumberland Island
Probability F
Range, median, mode & mean
Math Expeditions G
Math Expeditions G - Everglades
Probability/Stats G
Range, median, mode, & mean
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

Goal 5.4: Understand basic concepts of probability.

6.M.5.4.1 Predict, perform, and record results of simple probability experiments. (322.04.a)

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 I, Part I
Special Topics - Algebra I, Part I
Probability and Possible Outcomes (AlgI.I)
Probability of an Event (AlgI.I)



Solving Problems with Probability (AlgI.1)

6.M.5.4.2 Use the language of probability. (322.04.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

Goal 5.5: Make predictions or decisions based on data.

6.M.5.5.1 Make predictions based on data. (318.01.c)

PLATO Course Pre-Algebra, Semester B
Unit 3 - Statistics and Graphs
Analyzing the Validity of Data
Projects for the Real World F
PRW F - Food Bank
Disaster Plan
What Could Happen?
PRW F - Climbing Mt. McKinley
The Weathermaker
Wind Speed
Projects for the Real World H
PRW H - All Kinds of Families
Family Changes
Changing Family Life
PRW H - Medical Mix-Up
Easy Test to Pass
Drug Detection Methods
PRW H - Maya Mystery
Made in Copan

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- 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