



The Correlation of PLATO Curricula to Idaho Content Standards

Mathematics – Grade 05

January 13, 2009

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 , Mathematics, Grade 05. 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 I, Part I**
- Data Skills**
- Foundational Mathematics**
- Math Fundamentals**
- Math Expeditions C**
- Math Expeditions D**
- Math Expeditions E**
- Math Expeditions F**
- Math Expeditions G**
- Math Expeditions H**
- Math Expeditions I**
- Math Problem Solving**
- PLATO Course, PreAlgebra, Semester A**
- PLATO Course, PreAlgebra, Semester B**
- Projects for the Real World, Level B**
- Projects for the Real World, Level D**
- Projects for the Real World, Level E**
- Projects for the Real World, Level F**
- Projects for the Real World, Level G**
- Projects for the Real World, Level H**

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

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Standard I: Number and Operation

Goal I.I: Understand and use numbers.

5.M.I.I.I Read, write, compare, and order whole numbers through millions and decimal numbers through thousandths. (307.01.a)

Math Fundamentals

Basic Number Ideas - Beginning

Whole Numbers 0-9

Whole Numbers 0-9 Review

Whole Numbers 10-99

Numbers 10-999 Review

Decimals

Decimal Fractions 1

Decimal Fractions 2

Decimals Review

Math Expeditions E

Numeration E - Compare

Compare numbers to 999,999

Numeration E - Order

Order numbers to 999,999

Numeration E - Place Value

Identify place value to millions

Decimals E - Decimals

Write decimals

Compare, order & round decimals

Math Expeditions F

Numeration F - Compare

Compare numbers to 999,999

Numeration F - Order

Order numbers to 999,999

Numeration F - Place Value

Identify place value to millions

Decimals F - Decimals

Compare, order & round decimals

Math Expeditions G

Numeration G - Compare

Compare numbers to millions

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Numeration G - Order
Order numbers to millions

Numeration G - Place Value
Recognize place value in decimals

Foundational Mathematics

Understanding Whole Numbers 1
Greater Than, Less Than, Equal To
Comparing Whole Numbers: 10 through 99

Understanding Decimals

Understanding Decimal Place Value: Tenths and Hundredths
Understanding Decimal Place Value: Thousandths and Ten-Thousandths
Comparing and Ordering Decimals

5.M.1.1.2 Identify and apply place value in whole numbers and decimal numbers to thousandths. (307.01.b)

Math Fundamentals

Basic Number Ideas - Beginning
Hundreds and Thousands
Millions/Billions and Trillions

Decimals

Decimal Fractions 1
Decimal Fractions 2

Math Expeditions E

Numeration E - Place Value
Identify place value to millions

Math Expeditions F

Numeration F - Place Value

Math Expeditions G

Numeration G - Place Value
Identify place value to billions
Recognize place value in decimals

Foundational Mathematics

Understanding Whole Numbers 2
Understanding Place Value: Thousands
Understanding Place Value: Millions, Billions, and Beyond

5.M.1.1.3 Count back change from \$10.00.

Math Expeditions C

Money C – Money



Compare money to \$2.00

Math Expeditions D

Number Operations D – Multiplication

Multiply with money

Math Expeditions E

Number Operations E - Division

Dividing money

Math Expeditions F

Tent Tools – Money Tool

Number Operations F – Division

Dividing money

Math Problem Solving

Math Fundamentals: Math Problem Solving

Smart Shopping: Math Fundamentals: Math Problem Solving

Projects for the Real World, Level B – Money

Make Fair Trades

Pretend You are a Cashier

Projects for the Real World, Level D – Smart Shopper

Be a Smart Shopper

Count Your Change

5.M.1.1.4 Compare and order commonly used fractions and their equivalents. (307.01.e)

Algebra I, Part I

Basic Number Ideas – Algebra I, Part I

Prime and Composite Numbers

Math Fundamentals

Fractions

Equivalent Fractions

Comparing Fractions

Basic Terms Review

Math Expeditions E

Fractions E - Fractions

Compare equivalent fractions

Math Expeditions G

Fractions G - Fractions

Compare & order fractions

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Foundational Mathematics
Understanding Fractions
Comparing Fractions
Ordering Fractions

PLATO Course PreAlgebra, Semester A
Unit 2 – Fractions
Finding Factors and Prime Factors

**5.M.1.1.5 Identify decimal equivalents of commonly used fractions.
(307.01.c)**

Math Fundamentals

Fractions
Equivalent Fractions
Basic Terms Review
Subtracting Mixed Numbers 2
Problem Solving 4

Ratio/Proportion/Percent

Ratio Concepts
Ratio/Proportion/Percent Review

Math Expeditions E

Fractions E - Fractions
Equivalent fractions & lowest terms
Compare equivalent fractions

Math Expeditions F

Ratio/Proportion F - Ratio/Proportion
Write ratios

Math Expeditions G

Decimals G - Decimals
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

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Understanding Ratio and Proportion
Equivalent Ratios

5.M.1.1.6 Apply the number theory concepts of primes, composites, multiples, and factors. (307.01.f)

Algebra I, Part I
Basic Number Ideas – Algebra I, Part I
Prime and Composite Numbers

Math Fundamentals
Fractions
Multiples and Common Denominators

Math Expeditions E
Number Operations E - Multiplication
Multiples and common multiples

Foundational Mathematics
Dividing Whole Numbers
Identifying Multiples

PLATO Course PreAlgebra, Semester A
Unit 2 – Fractions
Finding Factors and Prime Factors

5.M.1.1.7 Select strategies appropriate for solving a problem.

Foundational Mathematics
Adding and Subtracting Whole Numbers 2
Solving Addition and Subtraction Story Problems

Multiplying Whole Numbers
Solving Multiplication Story Problems

5.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.

5.M.1.2.1 Recall basic multiplication and division facts up to 10's. (307.02.d)

Math Fundamentals
Multiplication



Multiplication Facts 1
Multiplication Facts 2

Division
Division Facts
Division Review II

Math Expeditions E
Number Operations E - Multiplication
Multiply with zero through five
Multiply with fives and sixes
Multiply with sevens and eights
Multiply with nines

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

**5.M.1.2.2 Add and subtract decimal numbers through thousandths.
(307.02.c)**

Math Fundamentals
Decimals
Adding and Subtracting Decimals
Decimals Review

Math Expeditions E
Decimals E - Decimals
Add & subtract decimals

Math Expeditions F
Decimals F - Decimals

Math Expeditions G
Decimals G - Decimals
Add and subtract decimals

Foundational Mathematics
Performing Operations with Decimals
Adding and Subtracting Decimals

5.M.1.2.3 Multiply and divide whole numbers. (307.02.a)

Math Fundamentals
Division



- Division Skills 1
- Division Skills 2
- Division Skills 3
- Division Review I
- Division Skills 4
- Division Skills 5
- Division Skills 6
- Division Skills 7
- Division Skills 8
- Division Review II

Math Expeditions E

Number Operations E - Division

- Divide by 1-9 with remainders
- Divide 2-digit by 1-digit with remainders
- Divide 3-digit by 1-digit with remainders A
- Divide 3-digit by 1 digit with remainders B
- Divide by 2-digit with remainders A
- Divide by 2 digit with remainders B

Math Expeditions F

Number Operations F - Division

- Divide 2-digit by 1-digit with remainders
- Divide 3-digit by 1 digit with remainders A
- Divide 3-digit by 1-digit with remainders B
- Divide 3-digit and 4-digit by 1-digit with 0
- Divide by 2-digits with remainders
- Divide 3-digit and 4-digit by 2-digit A
- Divide 3-digit and 4-digit by 2-digit B

Math Expeditions G

Number Operations G - Division

- Divide up to 5-digits by 1-digit numbers
- Divide 3, 4, or 5-digits by 1-digit numbers
- 2-digits, 3-digits divided by 2-digit, 1-digit quotient
- Divide by 2-digits, 2-digit quotient
- 3, 4, 5-digits divided by 2-digits
- 4, 5, 6-digits divided by 3-digits

Foundational Mathematics

Dividing Whole Numbers

- Dividing by a 1- Digit Number
- Dividing by a 2- Digit Number
- Writing a Quotient as a Mixed Number



5.M.1.2.4 Add and subtract fractions with like denominators without simplification. (307.02.b)

Math Fundamentals

Fractions

Adding and Subtracting Fractions I

Adding and Subtracting Fractions Review

Problem Solving 4

Math Expeditions E

Fractions E - Fractions

Add & subtract same fractions

Math Expeditions F

Fractions F - Fractions

Foundational Mathematics

Adding and Subtracting Fractions

Adding and Subtracting Fractions: Like Denominators

Multiplying and Dividing Fractions

Solving Fraction Story Problems

Performing Operations with Decimals

Solving Decimal Story Problems

5.M.1.2.5 Evaluate numerical expressions that include parentheses. (307.02.e)

PLATO Course PreAlgebra, Semester B

Unit 4 – Expressions, Equations, and Inequalities

Order of Operations

5.M.1.2.6 Select and use an appropriate method of computation from mental math, paper and pencil, calculator or a combination of the three. (307.02.f)

Math Expeditions E

Number Operation Addition E

Use mental math to add

PLATO Course PreAlgebra, Semester A

Unit 3 - Decimals

Mental Math with Whole Numbers and Decimals

5.M.1.2.7 Use a variety of strategies to solve real life problems. (308.01.a)

Math Fundamentals

Geometry and Measurement

Problem Solving 7

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Foundational Mathematics
Measurement
Solving Measurement Story Problems

5.M.1.2.8 Use appropriate vocabulary. (307.02.g)

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.

5.M.1.3.1 Estimate to predict computation results. (307.03.a)

Math Expeditions E
Number Operations E - Addition
Estimate sums

Number Operations E - Subtraction
Estimate differences

Number Operations E - Multiplication
Estimate products

Number Operations E - Division
Estimate quotients

Math Expeditions F
Number Operations F - Addition
Estimate sums

Number Operations F - Subtraction
Estimate differences

Number Operations F - Multiplication
Estimate products

Number Operations F - Division
Estimate quotients

Math Expeditions G
Number Operations G - Addition
Estimate sums

Number Operations G - Subtraction
Estimate differences

Number Operations G - Multiplication
Estimate products



Number Operations G - Division
Estimate quotients

5.M.1.3.2 Identify when an estimate is sufficient or when an exact answer is required. (307.03.b)

Math Expeditions E
Number Operations E - Multiplication
Estimate products

Number Operations E - Division
Estimate quotients

Math Expeditions F
Number Operations F - Addition
Estimate sums

Number Operations F - Division
Estimate quotients

Foundational Math
Performing Operations with Decimals
Rounding Decimals

Math Problem Solving
Math Fundamentals: Math Problem Solving
Smart Shopping: Math Fundamentals: Math Problem Solving

PLATO Course PreAlgebra, Semester A
Unit I – Whole Numbers
Estimation Basics

5.M.1.3.3 Explain why a given estimate is an overestimate or underestimate. (307.03.c)

PLATO Course PreAlgebra, Semester A
Unit I – Whole Numbers
Estimation Basics

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

Math Expeditions E
Number Operations E - Addition
Use mental math to add

Math Problem Solving
Math Fundamentals: Math Problem Solving

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Smart Shopping: Math Fundamentals: Math Problem Solving

PLATO Course PreAlgebra, Semester A

Unit I – Whole Numbers

Estimation Basics

5.M.1.3.5 Formulate conjectures and discuss why they must be or seem to be true. (308.02.c)

Projects for the Real World, Level F - Food Bank

Disaster Plan

What Could Happen?

Projects for the Real World, Level F - Climbing Mt. McKinley

How's the Weather?

Sheep of the Gods

The Weathermaker

Wind Speed

5.M.1.3.6 Use appropriate vocabulary. (307.03.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.

5.M.2.1.1 Select and use appropriate units and tools to make formal measurements of length, temperature, weight, and volume (capacity) in both systems. (309.01.a)

Math Fundamentals

Geometry and Measurement

Linear Measurement

Measurement Review

Math Expeditions E

Measurement E - Length

Metric units of length

Measurement E - Capacity

Metric units capacity, mass

Math Expeditions F

Measurement F - Length

Metric units of length



Measurement F - Capacity
Metric units capacity, mass, temperature

Foundational Mathematics
Measurement
Measuring Length: Metric Units
Measuring Length: Customary Units
Measuring Temperature: Fahrenheit
Measuring Temperature: Celsius

5.M.2.1.2 Estimate length, time, weight, temperature, and volume (capacity) in real-world problems using standard units. (309.01.b)

Math Fundamentals
Geometry and Measurement
Measurement Review

Math Expeditions E
Measurement Length E
Metric units of length
Measurement Capacity E
Metric units capacity, mass, temperature

Math Expeditions F
Measurement Length F
Metric units of length
Measurement Capacity F
Metric units capacity, mass, temperature

5.M.2.1.3 Tell time to the nearest second.

Math Fundamentals
Geometry and Measurement
Linear Measurement

Foundational Mathematics
Measurement
Telling Time to the Minute

5.M.2.1.4 Solve real world problems related to elapsed time. (309.01.d)

Projects for the Real World, Level G – Olympic Games
Getting Around
Bus Schedules
Get in Shape!
Design an Exercise Plan



5.M.2.1.5 Calculate the perimeter of polygons and the area of rectangles and squares. (309.01.c, 311.01.d)

- Math Fundamentals
 - Geometry and Measurement
 - Area Measurement
 - Measurement Review
 - Problem Solving 7
- Math Expeditions E
 - Geometry E - Geometry
 - Find the perimeter
- Math Expeditions F
 - Geometry F - Geometry
 - Find the area
- Math Expeditions G
 - Geometry G - Geometry
 - Find the perimeter
 - Find the area
- Foundational Mathematics
 - Using Geometry
 - Calculating the Area of Rectangles and Squares

5.M.2.1.6 Convert units of length within each system. (309.01.e)

- Math Expeditions D
 - Measurement D
 - Tell time to the minute
 - Solve problems: calendar
- Math Expeditions E
 - Measurement E - Length
 - Metric units of length
 - Measurement E - Capacity
 - Metric units capacity, mass
- Math Expeditions F
 - Measurement F - Length
 - Metric units of length
 - Measurement F - Capacity
 - Metric units capacity, mass, temperature
- Foundational Mathematics
 - Measurement



Measuring Length: Metric Units
Measuring Length: Customary Units

PLATO Course PreAlgebra, Semester A
Unit 4 – Ratios, Proportions, Percents, and Measurement
Length
Projects for the Real World, Level G – Yellowstone Connection
Hot Spots in Time
Hot Spots Through Time

5.M.2.1.7 Convert days into weeks and years and years into decades and centuries.

Math Fundamentals
Geometry and Measurement
Linear Measurement
Measurement Review
Math Expeditions D
Measurement D
Solve problems: calendar

5.M.2.1.8 Recall length, volume (capacity), and mass equivalences involving millimeters, centimeters, meters, milliliters, liters, grams, and kilograms in the metric system.

Math Fundamentals
Geometry and Measurement
Linear Measurement
Measurement Review
Math Expeditions E
Measurement E - Length
Metric units of length
Measurement E - Capacity
Metric units capacity, mass
Math Expeditions F
Measurement F - Length
Metric units of length
Measurement F - Capacity
Metric units capacity, mass, temperature



Foundational Mathematics
Measurement
Measuring Length: Metric Units

5.M.2.1.9 Use appropriate vocabulary. (309.01.g)

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

Standard 3: Concepts and Language of Algebra and Functions

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

5.M.3.1.1 Write a division problem as a proper and an improper fraction.

Math Fundamentals
Division
Meaning of Division

Foundational Mathematics
Understanding Division
Understanding Division as Fair Sharing

Dividing Whole Numbers
Writing a Quotient as a Mixed Number
Solving Division Story Problems

Understanding Fractions
Proper Fractions and Improper Fractions

5.M.3.1.2 Translate simple word statements for addition and multiplication into numeric expressions. (310.01.b)

Math Fundamentals
Subtraction
Meaning of Subtraction

Foundational Mathematics
Adding and Subtracting Whole Numbers 2
Solving Addition and Subtraction Story Problems

Multiplying Whole Numbers
Solving Multiplication Story Problems

5.M.3.1.3 Write a fact family when given two factors.

Math Fundamentals
Addition



Addition Facts 1
Addition Facts 2

Subtraction
Subtraction Facts

Multiplication
Multiplication Facts 1
Multiplication Facts 2

Division
Division Facts
Division Skills 6
Division Review II

Foundational Mathematics

Understanding Addition and Subtraction I
Finding the Missing Number in Addition

Understanding Addition and Subtraction I
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

Understanding Division
Multiplication and Division Fact Families

Dividing Whole Numbers
Division Basic Facts

5.M.3.1.4 Read and use symbols of “<,” “>,” and “=” to express relationships. (310.01.c)

Foundational Mathematics

Understanding Whole Numbers I
Comparing Whole Numbers: 10 through 99

Math Expeditions D

Number Compare D
Compare numbers to 999

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Compare numbers to 9999

Goal 3.2: Evaluate algebraic expressions.

5.M.3.2.1 Use the following properties as they relate to addition and multiplication: commutative, associative, and distributive. (310.02.a)

Math Fundamentals

Addition

Addition Properties

Multiplication

Multiplication Properties 1

Multiplication Properties 2

Foundational Mathematics

Understanding Addition and Subtraction 2

Using the Commutative Property of Addition

Using the Associative Property of Addition

Understanding Multiplication

Using the Commutative Property of Multiplication

Using the Associative Property of Multiplication

Using the Distributive Property of Multiplication over Addition

Goal 3.3: Solve algebraic equations and inequalities.

5.M.3.3.1 Solve missing factor equations. (310.03.a)

Math Fundamentals

Addition

Addition Facts 1

Addition Facts 2

Subtraction

Subtraction Facts

Multiplication

Multiplication Facts 1

Multiplication Facts 2

Division

Division Facts

Division Skills 6

Division Review II

Foundational Mathematics

Course: Understanding Addition and Subtraction I: Module: Finding the Missing Number in Addition



Understanding Addition and Subtraction I
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

Goal 3.4: Understand the concept of functions.

5.M.3.4.1 Identify the rule for a pattern using whole numbers and extend the pattern. (313.01.a)

Math Fundamentals

Fractions

Multiples and Common Denominators

Projects for the Real World, Level D – Books & More

Make Some Books

Make a Pattern Page

5.M.3.4.2 Use appropriate vocabulary. (313.01.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.

5.M.3.6.1 Use patterns to represent problems. (313.02.a)

Math Fundamentals

Subtraction

Problem Solving 1

Multiplication

Problem Solving 2

Division

Problem Solving 3



Fractions
Multiples and Common Denominators
Problem Solving 4

Decimals
Problem Solving 5

Ratio/Proportion/Percent
Problem Solving 6

Geometry and Measurement
Problem Solving 7

PLATO Course PreAlgebra, Semester B
Unit 4 – Expressions, Equations, and Inequalities
Patterns and Sequences

Standard 4: Concepts and Principles of Geometry

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

5.M.4.1.1 Identify, compare and analyze attributes of polygons and polyhedra and develop vocabulary to describe the attributes. (311.01.a)

Math Fundamentals
Geometry and Measurement
Plane Figures 1
Plane Figures 2
Figure Comparison
Basic Figures Review

Math Expeditions F
Geometry F - Geometry
Identify geometric shapes

Foundational Mathematics
Plane and Solid Figures
Introduction to Quadrilaterals
Exploring Congruent Figures
Exploring Similar Figures
Line Symmetry in Plane Figures

5.M.4.1.2 Classify angles without formal measures as acute, right, obtuse, and/or straight.

Math Expeditions E
Geometry E - Geometry
Classify points, lines & angles



Math Expeditions F
Geometry F – Geometry
Classify points, lines & angles

Math Expeditions G
Geometry G – Geometry
Classify points, lines & angles

5.M.4.1.3 Identify and label points, lines, line segments, rays, and angles. (311.01.b)

Math Fundamentals
Geometry and Measurement
Plane Figures I
Basic Figures Review

Math Expeditions E
Geometry E - Geometry
Classify points, lines & angles

Math Expeditions F
Geometry F - Geometry
Measure angles

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

Foundational Mathematics
Plane and Solid Figures
Lines, Parts of Lines, and Angles

5.M.4.1.4 Discuss and predict the results of sliding, flipping, and turning two-dimensional shapes. (311.01.e)

Math Expeditions G
Geometry G - Geometry
Identify congruent & similar

5.M.4.1.5 Identify shapes as congruent, similar, or symmetrical.

Math Fundamentals
Geometry and Measurement
Figure Comparison
Basic Figures Review



Math Expeditions F
Geometry F - Geometry
Identify congruent & similar

Math Expeditions G
Geometry G - Geometry

Foundational Mathematics
Plane and Solid Figures
Exploring Congruent Figures
Exploring Similar Figures
Line Symmetry in Plane Figures

5.M.4.1.6 Explain the difference between perimeter and area of a polygon. (311.01.d)

Math Expeditions E
Geometry E - Geometry
Find the perimeter

Math Expeditions F
Geometry F - Geometry
Find the perimeter
Find the area

Math Expeditions G
Geometry G – Geometry
Find the perimeter

5.M.4.1.7 Use appropriate vocabulary. (311.01.f)

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.

5.M.4.3.1 Use ordered pairs to identify and plot points in the first quadrant on a coordinate grid. (311.02.a)

Math Expeditions F
Geometry F - Geometry
Locate coordinate points

Math Expeditions G
Geometry G – Geometry
Locate coordinate points



Standard 5: Data Analysis, Probability, and Statistics

Goal 5.1: Understand data analysis.

5.M.5.1.1 Read and interpret tables, charts, bar graphs, and line graphs. (312.01.a)

Math Expeditions E
Graphs E - Graphs
Data from graphs

Math Expeditions F
Graphs F - Graphs
Data from graphs

Math Expeditions G
Graphs G - Graphs
Data from graphs

5.M.5.1.2 Use appropriate vocabulary. (312.01.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.

5.M.5.2.1 Collect, organize, and display the data with appropriate notation in tables, charts, bar graphs, and line graphs. (312.02.a)

Data Skills
Constructing Graphs and Charts
Constructing Bar Graphs

Math Expeditions E
Graphs E - Graphs
Data from graphs

Math Expeditions F
Graphs F - Graphs
Data from graphs

Math Expeditions G
Graphs G - Graphs
Data from graphs

Projects for the Real World, Level D – Smart Shopper
Who Wants You to Buy
Tell What Ads Aimed at Kids



Projects for the Real World, Level H – Maya Mystery
What’s in a Bone?
Graph and Compare

Goal 5.3: Apply simple statistical measurements.

5.M.5.3.1 Find measures of central tendency - median and mode - with simple sets of data using whole numbers. (312.03.a)

Math Expeditions F
Probability F - Probability
Range, median, mode & mean

Math Expeditions G
Probability/Stats G - Probability/Stats
Range, median, mode & mean

5.M.5.3.2 Find the range of a set of data using whole numbers. (312.03.b)

Math Expeditions F
Probability F - Probability
Range, median, mode & mean

Math Expeditions G
Probability/Stats G - Probability/Stats
Range, median, mode & mean

Goal 5.4: Understand basic concepts of probability.

5.M.5.4.1 Predict, perform, and record results of simple probability experiments using fraction notation. (312.04.a)

Math Expeditions H
Probability/Stats H
Find probability and outcomes

Math Expeditions I
Probability/Stats I
Find probability and outcomes

5.M.5.4.2 Use the language of probability. (312.04.b)

Math Expeditions H
Probability/Stats H
Find probability and outcomes

Math Expeditions I
Probability/Stats I
Find probability and outcomes



Goal 5.5: Make predictions or decisions based on data.

5.M.5.5.I Make predictions and decisions based on data. (308.01.c)

Projects for the Real World, Level E – Desert Survival

Climate Changes

Desert Climates

Projects for the Real World, Level G – Olympic Games

Getting Around

Bus Schedules

Projects for the Real World, Level H – Maya Mystery

What's in a Bone?

Graph and Compare

Observe and Compare