MATHEMATICS

Course Description

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Series Description

The objective of the EduSystem **Mathematics K-6** series is to help students develop skills and mathematical concepts in accordance with the standards set forth by the Department of Education of Puerto Rico and the National Council of Teachers of Mathematics. The purpose of the series is to create awareness of why studying mathematical processes is important and how it is necessary for solving problems that relate to real-life situations.

Through its content, strategies, and techniques, the EduSystem **Mathematics K-6** series instills a deep understanding of the concepts, skills, and techniques necessary for the subsequent study of higher mathematics and applications. The way in which the topics, examples, and recommended applications are presented allows students to visualize, understand, and value the usefulness of mathematics in everyday life.

The EduSystem **Mathematics K-6** series covers the following areas and topics: number sense, counting, and cardinal numbers; operations and algebraic thought; numbers and operations in base ten; numbers and operations with fractions and ratios; proportional relationships; numeral systems; expressions and equations; measurement and data; statistics and probability, and geometry.

In each lesson, the objectives have been carefully aligned by taking into consideration the concepts and skills students need to establish connections between the different topics. The instructional focus is based upon conceptual understanding, skills development, and mathematical problems/solutions. It also focuses on the development of critical thinking skills which is the integral means of foundation for the students.

The EduSystem **Mathematics K-6** series encourages the direct application of what students learn and how they visualize the importance of mathematics as a universal discipline relating to society, community, organizations, and institutions. Furthermore, the incorporation of situations and real-life problems in each of the topics aims to awaken an interest in the study of mathematics for students.

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Concept Development

The EduSystem **Mathematics K-6** series is directed toward developing a mastery of:

- Mathematical reasoning skills and their applications.
- > Application of problem-solving processes and strategies.
- Use of technology as tools to access, analyze, and apply information in the solution of problems in their immediate surroundings.

General Objectives

The objectives of this Series are to:

- > Help students develop an interest and appreciation for mathematics.
- Develop mathematical capability within students through experiences that stimulate their curiosity and focus it toward investigation, problem solving, and communication.
- Promote that the students visualize mathematics as an integral whole and not as a group of isolated topics.
- Develop the problem-solving processes in students, as a cornerstone of encouragement, furthering the development of mathematical capacity.
- Stimulate within students the need of using language and academic vocabulary to communicate mathematical ideas.
- Develop mathematical reasoning and critical thinking skills that allow students to visualize mathematics as a relevant discipline in their lives.
- Emphasize the concepts of numbers, operations, and calculations so that they are correctly defined, conceived, and adequately applied.
- Promote the learning of concepts in geometry and measurement through hands-on experiences that incorporate experimentation and discovery of mathematical relationships using solid objects or manipulatives.

Course Structure

The Mathematics 5 course is composed of twelve units. Each unit is composed of lessons. Each lesson contains a presentation divided into sections that develop their individual topics. Each lesson also contains a descriptive log, activities, worksheets, and handouts related to the content and, as in most cases, website links and resources. The practice and review documents generally include word problems, as well as a section devoted solely to solving problems.

We invite you to get to know the presentation sections and the documents that are generally found in the course lessons.

The units are made up of the following:

Lessons

Each unit is composed of several lessons which are divided by topics. Furthermore, each lesson is comprised of the following:

Presentation

Each presentation is composed of the following sections:

Unit Opening

2

Each unit begins with an image which starts off the first lesson of the unit. This section presents the unit's theme as well as several questions in which the image or theme are explored.

	Hace Value Whales look like fish but they are actually mammals hey are warm blooded but they are born, they live and reproduce in water. They are the largest animo in the world. A whale can weigh around 362,000 sounds.
	11
H V	low many hundred thousands are there in the

Introduction	1
Brample 1	
Adam's parents are planning to go on vacation. The expenses for the trip, including lodging, food, and entertainment for five people for one week, are one thousand two hundred and skty-five dollars, with taxes.	

Introduction

Presentation of a situation and questions to be explored.

Topics to Be Developed

Sections of concept development, where mathematical ideas and concepts are explained. On some occasions, skills are developed from the situation presented in the introduction and other examples are offered.

an be numerically represe	ented as:
,265	
ones:	5 ones = 5
tens:	6 tens= 60
hundreds:	2 hundreds= 200
thousands:	1 thousands = 1.000



Practice

Lesson closure in which students apply what they learned through some exercise.

Think About It

A reasoning question is presented and identified with a lightbulb. The goal is to develop students' reasoning and analysis capacities.



Handouts and Worksheets



Think and Practice

It presents exercises and problems after every concept development section. It has activities that help practice, enrich, end reinforce the concepts learned throughout the lesson.

Homework

Practice for each concept building section. Students are provided with a reasonable number of exercises so that they can master the skills and concepts studied in the lesson.



Lesson 0

This lesson is composed of a series of unit documents and of formative and cumulative evaluation that can be used before, during, or after the study of each unit.

What I Know!

A pretest of the concepts and skills to be discussed within the unit.





Connection

Activity that initiates the unit. It relates Mathematics with other fields of study.

Problem Solving

It explains strategies and procedures for the development of problem-solving skills.





Unit review

Practice exercises that allow students to confirm what they have learned in the unit.

Reviewing the Units

Practice exercises that allow the student to confirm what they have learned in previous units.





What I Learned

The skills and concepts learned in the unit are measured. It allows students to do a self-evaluation. The teacher may use it as a test.

Knowing Technology

It presents technology in its different manifestations, including the computer as well as all the gadgets present in our daily lives. It can be found in some units.





Think

It presents activities and includes mathematical reasoning exercises. It can be found in some units.

Unit Breakdown

Below is an itemization of the division of each unit in lessons, including the name of each lesson with its corresponding objectives, skills, and keywords

Unit I. Numbers

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts

Arabic numeral system Roman numerals equal to billions hundred greater than digit, hundred million less than odd number decimal system thousand comparing decimals even number place value numerical system whole numbers tenths units decimal number system thousandths ordering whole numbers tens Þ

Lesson 0: Numbers

Code: C319G05U01L00

Unit Documents

Unit Documents

Lesson I: Numbers to the Billions

Code: C319G05U01L01

Objectives

Recognize and write the numbers up to thousands of millions.

Keywords

billions, decimal system, digit, hundred, numerical system, units, tens, hundred thousand million, ten thousand million

Lesson 2: Comparing and Organizing Numbers to the Billions

Code: C319G05U01L02

Objectives

Compare and organize numbers to the billions.

Keywords

billions, comparing whole numbers, decimal number system, ordering whole numbers, equal to, less than, greater than

Lesson 3: Decimal Numbers to the Thousandths

Code: C319G05U01L03

Objectives

Recognize decimal numbers to the thousandths.

Keywords

decimal number, decimal point, hundredths, place value, tenths, thousandths

Lesson 4: Comparing and Organizing Decimals

Code: C319G05U01L04

Objectives

Compare and organize decimal numbers.

Keywords

comparing decimals, decimal number, organizing decimals, place value

Lesson 5: Even and Odd Numbers

Code: C319G05U01L05

Objectives

- Recognize even and odd numbers.

Keywords

even number, odd number

Lesson 6: Roman Numerals

Code: C319G05U01L06

Objectives

Read and write Roman numerals.

Keywords

Arabic numeral system, numerical system, Roman numerals

Unit 2. Addition and Subtraction

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts

- add
- addend
- > approximate
- minuend
- subtrahend
- rounding
- subtracting
- total

Lesson 0: Addition and Subtraction

Code: C319G05U02L00

Unit Documents

Unit Documents

Lesson I: Rounding Whole Numbers

Code: C319G05U02L01

Objectives

Round whole numbers.

Keywords

rounding, rounding whole numbers, whole numbers

Lesson 2: Rounding Decimal Numbers

Code: C319G05U02L02

Objectives

- Round decimal numbers.
- Keywords
 - decimal, hundredth, rounding, tenth, thousandth

Lesson 3: Adding and Subtracting Whole Numbers

Code: C319G05U02L03

Objectives

Add and subtract whole numbers.

Keywords

add, addend, difference, minuend, subtrahend, total,

Lesson 4: Estimating Totals and Differences of Whole Numbers

Code: C319G05U02L04

Objectives

Estimate the totals and differences of whole numbers.

Keywords

approximate, estimating, place value, rounding

Lesson 5: Adding and Subtracting Decimals to the Thousandths

Code: C319G05U02L05

Objectives

Add and subtract decimals to the thousandths.

Keywords

> adding, decimal, decimal point, place value, subtracting

Lesson 6: Estimating Totals and Differences of Decimal Numbers

Code: C319G05U02L06

Objectives

Estimate totals and differences of decimal numbers.

Keywords

adding, decimals, estimating, rounding, subtracting

Unit 3. Multiplication

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Multiplication

Code: C319G05U03L00

Unit Documents

Unit Documents

Lesson I: Properties of Multiplication

Code: C319G05U03L01

Objectives

Use the properties of multiplication.

Keywords

Associative Property, Commutative Property, Distributive Property, Multiplicative Identity Property, Multiplicative Property of Zero

Lesson 2: Estimating Products

Code: C319G05U03L02

Objectives

Estimate the product of a multiplication.

Keywords

estimate

- Multiplicative Identity
- prime factorization

Lesson 3: Multiplying Two-Digit Factors

Code: C319G05U03L03

Objectives

- Multiply two-digit factors.

Keywords

multiplication, two-digit factor

Lesson 4: Multiplying by 10, 100, and 1,000

Code: C319G05U03L04

Objectives

Multiply by 10, 100, and 1,000.

Keywords

10, 100, 1,000, multiply

Lesson 5: Multiplying Three-Digit Factors

Code: C319G05U03L05

Objectives

Multiplying three-digit factors

Keywords

multiply, three-digit

Lesson 6: Prime and Composite Numbers

Code: C319G05U03L06

Objectives

Classify numbers as prime and composite.

Keywords

> prime number, composite number

Lesson 7: Prime Factorization

Code: C319G05U03L07

Objectives

- Define prime numbers, composite numbers, factors and prime factorization.
- Decompose composite numbers into prime factors.
- Use the factor tree and consecutive division methods to find the prime factors of composite numbers.
- Factor composite numbers

Keywords

composite number, factor, prime factorization, prime number

Lesson 8: Write an Expression in Exponential Form

Code: C319G05U03L08

Objectives

- ldentify the correct base number in order to write an exponential expression.
- Write a standard expression in exponential form.

Keywords

base, exponent, exponential expression, standard form

Lesson 9: Exponential Expression in Standard Form

Code: C319G05U03L09

Objectives

- Know the terms base and exponent as part of the mathematical vocabulary.
- Recognize that the base number is multiplied by itself the number of times indicated by the exponent.
 - Calculate and write the exponential expressions in standard form.

Keywords

exponent, exponential expression

Unit 4. Multiplication and Division

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Multiplication and Division

Code: C319G05U04L00

Unit Documents

Unit Documents

Lesson I: Fact Families

Code: C319G05U04L01

Objectives

Form fact families.

Keywords

fact family, inverse operation

Lesson 2: Dividing by Multiples of 10

Code: C319G05U04L02

Objectives

Divide by multiples of 10.

Keywords

divide, division, multiples of 10

Lesson 3: One-Digit Divisors

Code: C319G05U04L03

Objectives

Divide by one-digit divisors.

Keywords

b dividend, divisor, quotient, remainder

Lesson 4: Dividing Four and Five Digit Numbers

Code: C319G05U4L04

Objectives

Divide with four or five-digit numbers in the dividend.

Keywords

dividend, divisor, quotient, remainder

Lesson 5: Two-Digit Divisors

Code: C319G05U04L05

Objectves

Divide with two-digit divisors

Keywords

dividend, divisor, quotient, remainder

Lesson 6: Verifying a Division Through Multiplication

Code: C319G05U04L06

Objectives

- Verify a division through multiplication.
- Keywords
 - dividend, divisor, multiplication, quotient, remainder

Lesson 7: Dividing With Zeroes in the Quotient

Code: C319G05U04L07

Objectives

- Divide with zeros in the quotient.

Keywords

dividend, division, divisor, multiplication quotient, remainder

Lesson 8: Dividing Decimal Numbers by Whole Numbers

Code: C319G05U04L08

Objectives

Divide a decimal number by a whole number.

Keywords

• dividend, division, divisor, quotient, remainder

Lesson 9: Estimating Quotients

Code: C319G05U04L09

Objectives

Estimate quotients.

Keywords

b dividend, division, divisor, estimate, multiplication quotient, remainder

Unit 5. More Multiplication

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts

- addition
- decimal numbers
- division
- factors
- multiplication

- order of operations
- products
- subtraction
- whole numbers
- zeros

Lesson 0: More Multiplication

Code: C319G05U05L00

Unit Documents

Unit Documents

Lesson I: Multiplying Decimal Numbers by Whole Numbers

Code: C319G05U05L01

Objectives

Multiply a decimal number by a whole number.

Keywords

decimal numbers, factors, multiplication, whole numbers

Lesson 2: Multiplying Two Decimal Numbers

Code: C319G05U05L02

Objectives

- Multiply two decimal numbers.
- **Keywords**
 - decimal numbers, products

Lesson 3: Zeroes in the Products of Decimal Numbers

Code: C319G05U05L03

Objectives

Add zeros to the products of decimals.

Keywords

factors, multiplication, product, zeros

Lesson 4: Order of Operations

Code: C319G05U05L04

Objectives

- Learn the order of operations when there are expressions with addition, subtraction, multiplication and division, parentheses, brackets, and powers.
- Use the order of operations to solve exercises containing operations such as addition, subtraction, mu

Keywords

> addition, division, multiplication, order of operations, subtraction

Unit 6. Fractions

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Fractions

Code: C319G05U06L00

Unit Documents

Unit Documents

Lesson I: Equivalent Fractions

Code: C319G05U06L01

Objectives

- Recognize and find equivalent fractions.
- **Keywords**
 - equivalency, fractions

Lesson 2: Greatest Common Factor

Code: C319G05U06L02

Objectives

To find the greatest common factor of two or more numbers.

Keywords

equivalency, factors, fractions, greatest common factor (GCF)

Lesson 3: Simplifying Fractions

Code: C319G05U06L03

Objectives

Simplify fractions.

Keywords

common factor, simplification

Lesson 4: Least Common Multiple

Code: C319G05U06L04

Objectives

Find the least common multiple of two or more numbers.

Keywords

- leas
 - least common multiple, multiple

Lesson 5: Comparing and Placing Fractions in Order

Code: C319G05U06L05

Objectives

- Compare fractions.
- Place fractions in order.

Keywords

comparing, least common multiple, like fractions, ordering, unlike fractions

Lesson 6: Converting Mixed Numbers to Improper Fractions

Code: C319G05U06L06

Objectives

- Convert a mixed number into an improper fraction or whole number.

Keywords

improper fraction, mixed numbers, proper fraction

Lesson 7: Converting Improper Fractions to Mixed Numbers

Code: C319G05U06L07

Objectives

Change an improper fraction to a mixed number.

Keywords

equivalence, fractions

Unit 7. Operations with Fractions

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts

- denominator
 mixed n
- improper fractions
- like fractions
- mixed number division
- mixed numbers
 - reciprocal
- minimum expression
- simplest form

- simplify
- subtract
- unlike fractions

Lesson 0: Operations with Fractions

Code: C319G05U07L00

Unit Documents

Unit Documents

Lesson I: Adding Like and Unlike Fractions

Code: C319G05U07L01

Objectives

Add like and unlike fractions.

Keywords

add, denominator, like fractions, unlike fractions

Lesson 2: Subtracting Like and Unlike Fractions

Code: C319G05U07L02

Objectives

Subtract like and unlike fractions.

Keywords

denominator, like fractions, subtract, unlike fractions

Lesson 3: Adding and Subtracting Mixed Numbers

Code: C319G05U07L03

Objectives

- Add and subtract mixed numbers.

Keywords

add, mixed numbers, subtract

Lesson 4: Multiplying and Dividing Fractions

Code: C319G05U07L04

Objectives

Multiply and divide fractions.

Keywords

add, mixed numbers, subtract

Lesson 5: Multiplying Mixed Numbers

Code: C319G05U07L05

Objectives

- Change mixed numbers to improper fractions and vice versa.
- Multiply mixed numbers converted to improper fractions.
- Recognize that the results in fractions have to be simplified.
- Simplify the results of the multiplication of mixed numbers.

Keywords

> area, improper fractions, mixed numbers, simplest form, simplify

Lesson 6: Dividing Mixed Numbers

Code: C319G05U07L06

Objectives

- Divide mixed numbers.
- Change mixed numbers to improper fractions.
- Change the operation of division to multiplication and find the reciprocal or multiplicative inverse of the second fraction.
 - Use the cross cancelling process to help in the multipli

Keywords

 mixed number division, improper fractions, minimum expression, mixed numbers, reciprocal, simplify

Lesson 7: Writing Fractions as Decimals

Code: C319G05U7L07

Objectives

- Recognize decimal fractions.
- Represent decimal fractions as decimal numbers.
- Move the decimal point of the numerator to the left according to the number of zeros that the denominator has.
- Recognize that the decimal numbers consist of a whole part

Keywords

improper fractions, minimum expression, mixed numbers, reciprocal, simplify

Unit 8. Numerical and Algebraic Expressions

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Numerical and Algebraic Expressions

Code: C319G05U08L00

Unit Documents

Unit Documents

Lesson I: Numerical and Algebraic Expressions

Code: C319G05U08L01

Objectives

- Knows the meaning of the term's variable, numerical and algebraic expression.
- Recognizes that a variable in an algebraic expression takes the place of a numerical value (number).
- Reads algebraic and numerical expressions correctly.
- Identifies the

Keywords

Metric system prefixes, metric system, metric system units

Lesson 2: Variables and Expressions

Code: C319G05U8L02

Objectives

- Use symbols to represent an unknown value.
- Write algebraic expressions.

Keywords

expressions, algebraic expressions, unknown value, variables

Lesson 3: The distributive property

Code: C319G05U08L03

Objectives

- Know and identify the distributive property.
- Simplify expressions using the distributive property.
- Represents the distributive property in situations of daily life.

Keywords

distributive property

Unit 9. Numerical and Algebraic Expressions

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Ratios and Proportions

Code: C319G05U09L00

Unit Documents

Unit Documents

Lesson I: Ratios

Code: C319G05U09L01

Objectives

- Recognize ratios.
- Read and write ratios.

Keywords

denominator, fraction, numerator, proportion, ratio, ratios and proportions

Lesson 2: Equivalent Ratios

Code: C319G05U09L02

Objectives

- Recognize equivalent ratios.
- Read and write proportions.

Keywords

equivalent ratios, fraction, proportion, ratio

Lesson 3: Reading and Writing Percentages

Code: C319G05U09L03

Objectives



Read and write percentages.

- Keywords
 - percentage, ratio

Lesson 4: Percentage of a Given Number

Code: C319G05U09L04

Objectives

- Find the percentage of a given number.

Keywords

• percentage, ratio

Lesson 5: Converting from Percentages to Fractions

Code: C319G05U09L05

Objectives

Change percentages to fractions.

Keywords

denominator, fraction, numerator, percentage

Lesson 6: Converting from Decimal to Percentage

Code: C319G05U09L06

Objectives

- Convert decimals to percentages.
- Keywords
 - decimal, decimal numbers, percentage

Lesson 7: Changing Fractions to Percentages

Code: C319G05U09L07

Objectives

- Convert fractions to percentages.

Keywords

denominator, fraction, numerator, percentage

Unit 10. Measurement

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Measurement

Code: C319G05U10L00

Unit Documents

Unit Documents

Lesson I: Prefixes in the Metric System

Code: C319G05U10L01

Objectives

Recognize prefix values in the metric system.

Keywords

metric system, prefixes in the metric system, units of the metric system

Lesson 2: Metric System: Units of Length, Mass, and Capacity

Code: C319G05U10L02

Objectives

Use the units of length, mass and capacity of the metric system and its submultiples multiples.

Keywords

capacity units, length units, mass units, units of the metric system

Lesson 3: Converting Units of Length, Mass, and Capacity from the Customary System

Code: C319G05U10L03

Objectives

Convert units of length, capacity and mass from the English System.

Keywords

 converting units from the English system, English system, mass, units of the English system

Lesson 4: Temperature on a Thermometer

Code: C319G05U10L04

Objectives

- Measure the temperature of a thermometer in Celsius and Fahrenheit degrees.
- Keywords
 - temperature in Celsius degrees, temperature in Fahrenheit degrees, temperature in the thermometer

Lesson 5: Time Elapsed

Code: C319G05U10L05

Objectives

- Find the time elapsed.
- Keywords
 - lapsed time, hour, minutes, seconds

Lesson 6: Converting Units of Time

Code: C319G05U10L06

Objectives

Convert units of time.

Keywords

converting units of time, hour, minutes, seconds

Unit II. Geometry

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Geometry

Code: C319G05U11L00

Unit Documents

Unit Documents

Lesson I: Basic Geometric Concepts

Code: C319G05U11L01

Objectives

Recognize basic geometric concepts.

Keywords

geometry, point, segment, line, ray

Lesson 2: Perpendicular, Oblique and Parallel Lines

Code: C319G05U11L02

Objectives

Recognize perpendicular, oblique, and parallel lines.

Keywords

line, parallel, perpendicular, oblique

Lesson 3: Angle Classification

Code: C319G05U11L03

Objectives

Classify angles according to their measurements.

Keywords

acute, angles, line, obtuse, rectilinear, straight, vertex

Lesson 4: Triangle Classification

Code: C319G05U11L04

Objectives

Classify triangles according to the measures of its sides and angles.

Keywords

acute, congruence, scalene, equilateral, isosceles, obtuse, right, triangle

Lesson 5: Quadrilateral Classification

Code: C319G05U11L05

Objectives

Recognize and classify quadrilaterals.

Keywords

square, quadrilateral, parallelogram, rectangle, rhombus, trapezium, trapezoid

Lesson 6: Axis of Symmetry

Code: C319G05U11L06

Objectives

Identify the axis of symmetry in a figure.

Keywords

symmetry, symmetric, axis of symmetry

Lesson 7: Similar and Congruent Figures

Code: C319G05U11L07

Objectives

Recognize similar and congruent shapes.

Keywords

congruent, similar

Lesson 8: Geometric Shapes

Code: C319G05U11L08

Objectives

Recognize geometric shapes.

Keywords

edge, face, geometric shape, plane, polyhedron, round shape

Lesson 9: The Circle

Code: C319G05U11L09

Objectives

Recognize the circle and its parts.

Keywords

center, chord, circle, circumference, diameter, radius

Unit 12. Area and Perimeter

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts

cube

area

parallelogram

- plane figures
- area of a parallelogram
 polyhedron
 - prism
 - rectangle
- perimeter
 rectangular prism

- surface area
- volume
- volume of a polyhedron

Lesson 0: Area and Perimeter

Code: C319G05U12L00

Unit Documents

Unit Documents

Lesson I: Perimeter of Two-Dimensional Shapes

Code: C319G05U12L01

Objectives

Estimate and find the perimeter of two-dimensional shapes.

Keywords

> area, perimeter, plane figures

Lesson 2: Area of Two-Dimensional Shapes

Code: C319G05U12L02

Objectives

Find the area of plane figures.

Keywords

> area, perimeter, plane figures

Lesson 3: Volume of a Polyhedron

Code: C319G05U12L03

Objectives

Find the volume of a polyhedron.

Keywords

• polyhedron, prism, rectangular prism, volume of a polyhedron

Lesson 4: Area of Irregular Two-Dimensional Figures

Code: C319G05U12L04

Objectives

Find the area of irregular two-dimensional shapes.

Keywords

polyhedron, prism, rectangular prism, volume, volume of a polyhedron

Lesson 5: Area of Parallelograms

Code: C319G05U12L05

Objectives

Find the area of a parallelogram.

Keywords

area, area of a parallelogram, parallelogram, rectangle

Lesson 6: The surface area of three-dimensional figures

Code: C319G05U12L06

Objectives

The student will find the surface area of cubes and rectangular prisms.

Keywords

prism, rectangular prism, cube, area, surface area

Unit 13. Statistics

At the end of this unit, the student will achieve the objectives found in the following lessons.

Unit Concepts



Lesson 0: Statistics

Code: C319G05U13L00

Unit Documents

Unit Documents

Lesson I: Probability of an Event

Code: C319G05U13L01

Objectives

- - Find the probability of an event.

Keywords

probability

Lesson 2: Experiments, Surveys, and Predictions

Code: C319G05U13L02

Objectives

- Define what are experiments, surveys, and predictions.
- Gather and organize data.
- Predicts future events.

Keywords

data, experiments, frequency, frequency table, population, prediction, sample, survey, tally table, statistics

Lesson 3: Ordered Pairs

Code: C319G05U13L03

Objectives

Locate ordered pairs in a coordinate plane.

Keywords

 column, coordinate plane, data, horizontal line, line, ordered pair, vertical line, axes, coordinate

Lesson 4: Mean, Median, and Range

Code: C319G05U13L04

Objectives

Find the mean, median, range and mode of a set of data.

Keywords

> average, data, frequency, mean, median, mode, range

Lesson 5: Bar Graphs, Line Graphs, Pie Charts, and Pictographs

Code: C319G05U13L05

Objectives

- Draw bar graphs, linear graphs, circle graphs, and pictographs.
- Construct the appropriate graph.

Keywords

bar graph, circle graph, data, key, line graph, mode, pictograph, title