

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.

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 on 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 I 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

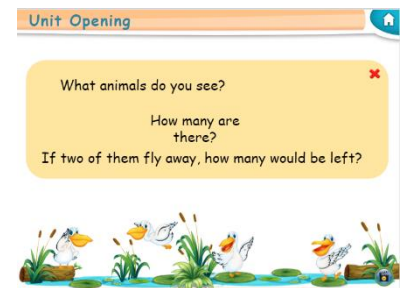
Each unit is composed of several lessons which are divided by topics. Furthermore, each lesson is comprised of the following:

Presentation

Each presentation is composed of the following sections:

Unit Opening

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.

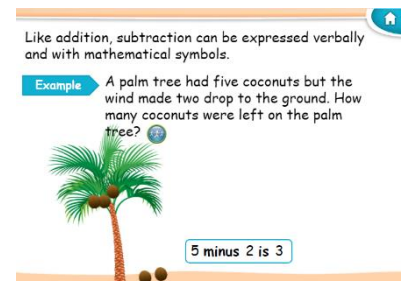


Introduction

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.





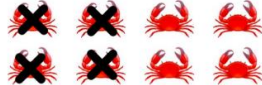
Practice

Practice

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

Practice

1. How many crabs are left?



a. verbal expression:

b. expression with symbols:

Think About It

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



Think About It

Handouts and Worksheets



Think and Practice

Think and Practice

It presents exercises and problems after every concept development section. It has activities that help practice, enrich, and 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.



Homework

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.



What I Know!



Connection

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.



Problem Solving



Unit Review

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.



Reviewing the Units



What I Learned

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.



Knowing Technology



Think

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 1: Numbers from 0 to 12

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

Lesson 0: Numbers from 0 to 12

Code: C319G01U01L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Identifying Numerals from 1 to 9

Code: C319G01U01L01

Objectives

- ▶ Write the numerals from 1 to 9.
- ▶ Count from 1 to 9.
- ▶ Match sets with the corresponding number.

Keywords

- ▶ numbers, numerals from one through nine

Lesson 2: Identifying Numerals 0 and 10 to 12

Code: C319G01U01L02

Objectives

- ▶ Write the numerals 0 and 10 to 12.
- ▶ Count from 10 to 12.
- ▶ Match sets with the corresponding number.

Keywords

- ▶ numbers, numeral from one through nine

Lesson 3: Ordering Numerals

Code: C319G01U01L03

Objectives

- ▶ Count numerals in order from 1 to 12.
- ▶ Recognize the order of the numerals.
- ▶ Write the numerals that go before and after a given numeral.

Keywords

- ▶ after, before, between, numbers, numerals, order.

Lesson 4: Least and Greatest Sets

Code: C319G01U01L04

Objectives

- ▶ Identify least and greatest sets.
- ▶ Match sets with the corresponding number.
- ▶ Draw least or greatest sets, as indicated.

Keywords

- ▶ Greatest, more, least, less, set.

Lesson 5: Ordinal Numbers

Code: C319G01U01L05

Objectives

- ▶ Identify the order that an object or person occupies.
- ▶ Write ordinal numbers.

Keywords

- ▶ ordinal numbers (first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth)

Lesson 6: Patterns with Numbers

Code: C319G01U01L06

Objectives

- ▶ Identify numeric patterns.
- ▶ Complete patterns by using numbers.
- ▶ Write numbers to complete patterns.

Keywords

- ▶ Numbers, numerals, number patterns, numeric patterns, patterns.

Unit 2: Numbers up to 100

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

Lesson 0: Numbers up to 100

Code: C319G01U02L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Groups of 10

Code: C319G01U02L01

Objectives

- ▶ Group in tens.

Keywords

- ▶ count, group.

Lesson 2: Tens and Ones

Code: C319G01U02L02

Objectives

- ▶ Represent numbers up to 100 in tens and ones.

Keywords

- ▶ group, count, write.

Lesson 3: Count tens and ones up to 50.

Code: C319G01U02L03

Objectives

- ▶ Represent numbers up to 100 in tens and ones.

Keywords

- ▶ count tens and ones

Lesson 4: Tens and Ones up to 100

Code: C319G01U02L04

Objectives

- ▶ Count tens and ones up to 100.

Keywords

- ▶ count, write, draw.

Lesson 5: Counting up to 100.

Code: C319G01U02L05

Objectives

- ▶ Count to 100.

Keywords

- ▶ count, write.

Lesson 6: Make Numbers up to 100.

Code: C319G01U02L06

Objectives

- ▶ Make numbers up to 100.

Keywords

- ▶ count, sum.

Lesson 7: Comparing Numbers up to 100

Code: C319G01U02L07

Objectives

- ▶ Compare numbers up to 100.
- ▶ Identify the greatest number.
- ▶ Identify the lesser number.

Keywords

- ▶ observe, compare, color, count.

Lesson 8: Skip Counting by Two

Code: C319G01U02L08

Objectives

- ▶ Skip count by two.

Keywords

- ▶ Count
- ▶ Create patterns.
- ▶ Color

Lesson 9: Skip Counting by Three

Code: C319G01U02L09

Objectives

- ▶ Count numbers in a three-by-three pattern.

Keywords

- ▶ count, identify patterns, write.

Lesson 10: Skip Counting by Five and Ten

Code: C319G01U02L10

Objectives

- ▶ Skip count by 5 and 10.

Keywords

- ▶ count, write.

Unit 3: Addition up to 10

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

Lesson 0: Addition up to 10

Code: C319G01U03L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Addition

Code: C319G01U03L01

Objectives

- ▶ Add numbers up to 10.
- ▶ Count to add.

Keywords

- ▶ count, add.

Lesson 2: Adding Zero

Code: C319G01U03L02

Objectives

- ▶ Identify sets of additions with zero.
- ▶ Find the total for addition combinations with zero.

Keywords

- ▶ Add, count, draw, identify, represent, write.

Lesson 3: Combinations of Addition

Code: C319G01U03L03

Objectives

- ▶ Identify addition sets.
- ▶ Complete addition combinations of totals up to 10.
- ▶ Draw sets to solve addition combinations up to 10.
- ▶ Count sets to add.
- ▶ Write addition combinations.
- ▶ Find the total.
- ▶ Draw elements to represent sets of addition.

Keywords

- ▶ add, count, draw, identify, represent, write.

Lesson 4: Other Ways of Adding

Code: C319G01U03L04

Objectives

- ▶ Identify sets of addition with totals up to 10.
- ▶ Identify addition combinations of totals up to 10.
- ▶ Find the total for addition combinations up to 10.
- ▶ Write addition combinations vertically and horizontally.
- ▶ Complete exercises of addition by counting forward.
- ▶ Use drawings to complete addition combinations up to 10.

Keywords

- ▶ add, count, draw, identify, represent, write.

Lesson 5: Adding with a Number Line

Code: C319G01U03L05

Objectives

- ▶ Identify the use of a number line.
- ▶ Use the number line to solve problems of addition.
- ▶ Find the totals with the number line.

Keywords

- ▶ identify.

Unit 4: Subtraction from 10

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

Lesson 0: Subtraction from 10

Code: C319G01U04L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Subtraction

Code: C319G01U04L01

Objectives

- ▶ Recognize and represent the subtraction concept.
- ▶ Identify the parts of a subtraction (minuend, subtrahend, difference).
- ▶ Solve subtraction combinations in a given set.
- ▶ Subtract to solve problems.

Keywords

- ▶ count, identify, subtract.

Lesson 2: Subtraction Combinations

Code: C319G01U04L02

Objectives

- ▶ Identify subtraction combinations up to 10.
- ▶ Complete subtraction combinations up to 10.
- ▶ Subtract to solve problems up to 10.

Keywords

- ▶ subtract.

Lesson 3: Subtracting Zero or Everything

Code: C319G01U04L03

Objectives

- ▶ Identify subtraction sets.
- ▶ Subtract zero to a given number.
- ▶ Solve subtraction problems with zero and the same number.

Keywords

- ▶ solve, subtract.

Lesson 4: Other Ways of Subtracting

Code: C319G01U04L04

Objectives

- ▶ Identify subtraction sets.
- ▶ Subtract horizontally and vertically.
- ▶ Find differences in vertical subtractions from 10.

Keywords

- ▶ subtract.

Lesson 5: Subtracting with a Number Line

Code: C319G01U04L05

Objectives

- ▶ Identify the use of a number line.
- ▶ Find differences using the number line.
- ▶ Complete subtraction exercises using the number line.

Keywords

- ▶ subtract.

Lesson 6: Subtracting by Counting Down

Code: C319G01U04L06

Objectives

- ▶ Subtracting by Counting Down.

Keywords

- ▶ count, subtract.

Unit 5: Addition and Subtraction up to 12

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

Lesson 0: Addition and Subtraction up to 12

Code: C319G01U05L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Adding and Subtracting up to 11

Code: C319G01U05L01

Objectives

- ▶ Identify sets of addition and subtraction up to 11.
- ▶ Find the total or difference for combinations up to 11.
- ▶ Solve addition and subtraction problems up to 11.

Keywords

- ▶ addition, subtraction.

Lesson 2: Adding and Subtracting up to 12

Code: C319G01U05L02

Objectives

- ▶ Identify addition and subtraction combinations up to 12.
- ▶ Add and subtract combinations up to 12.
- ▶ Solve addition and subtraction problems up to 12.

Keywords

- ▶ addition, subtraction.

Lesson 3: Fact Families up to 10

Code: C319G01U05L03

Objectives

- ▶ Identify related sets of numbers.
- ▶ Relate addition and subtraction operations up to 10.
- ▶ Complete related operations of addition and subtraction up to 10.

Keywords

- ▶ addition, subtraction, fact families.

Lesson 4: Adding Doubles

Code: C319G01U05L04

Objectives

- ▶ Identify combinations of doubles of addition and subtraction with totals up to 12.
- ▶ Recognize combinations of doubles.
- ▶ Add doubles to solve problems.

Keywords

- ▶ sum of equals.

Lesson 5: Estimating

Code: C319G01U05L05

Objectives

- ▶ Identify the estimation strategy to solve problems.
- ▶ Estimate to add and subtract up to 12.
- ▶ Solve addition and subtraction problems through estimation.

Keywords

- ▶ estimate.

Unit 6: Addition and Subtraction up to 20

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

Lesson 0: Addition and Subtraction up to 20

Code: C319G01U06L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Adding Doubles up to 18

Code: C319G01U06L01

Objectives

- ▶ Apply the double addition strategy to complete the sum.

Keywords

- ▶ add, addend, answer, doubles.

Lesson 2: Adding Doubles Plus 1

Code: C319G01U06L02

Objectives

- ▶ Apply the double addition plus one strategy to add numbers.

Keywords

- ▶ add, addend, answer, doubles.

Lesson 3: Adding to Complete the Tens

Code: C319G01U06L03

Objectives

- ▶ Add tens.

Keywords

- ▶ add, addend, answer, doubles, tens.

Lesson 4: Adding up to 20.

Code: C319G01U06L04

Objectives

- ▶ Solve addition equations with one and two digits.

Keywords

- ▶ add, addend, answer, doubles.

Lesson 5: Adding Doubles Minus 1

Code: C319G01U06L05

Objectives

- ▶ Apply the double addition minus 1 strategy to add numbers.

Keywords

- ▶ add, addend, answer, doubles.

Lesson 6: Subtracting up to 20

Code: C319G01U06L06

Objectives

- ▶ Subtract combinations up to 20.

Keywords

- ▶ answer, doubles, difference, minuend, subtract, subtrahend, take away.

Lesson 7: Adding Three Numbers

Code: C319G01U06L07

Objectives

- ▶ Solve expressions of three numbers.

Keywords

- ▶ add, addend, answer, digits, doubles.

Lesson 8: Adding Two and Three-Digit Numbers

Code: C319G01U06L08

Objectives

- ▶ Solve addition expressions two and three digits.

Keywords

- ▶ add, addend, answer, digits, doubles, total.

Lesson 9: Addition and subtraction equations

Code: C319G01U06L09

Objectives

- ▶ Determine the unknown number in an addition and subtraction equation.
- ▶ Solve addition and subtraction equations.

Keywords

- ▶ addition, equality, equation, subtraction, solution.

Lesson 10: Addition properties

Code: C319G01U06L10

Objectives

- ▶ Recognizes properties of addition.
- ▶ Apply the properties of addition.

Keywords

- ▶ addition properties, associative property, commutative property, identity property.

Unit 7: Geometry

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

Lesson 0: Geometry

Code: C319G01U07L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Three-Dimensional Figures

Code: C319G01U07L01

Objectives

- ▶ Identify and recognize the geometric three-dimensional shapes.

Keywords

- ▶ cylinder, cone, cube, sphere, solid figures, pyramid, rectangular prism.

Lesson 2: Two-Dimensional Shapes

Code: C319G01U07L03

Objectives

- ▶ Identify and recognize the geometric two-dimensional shapes.

Keywords

- ▶ circle, oval, rectangle, square, two-dimensional shapes, triangle.

Lesson 3: Sides and Vertexes

Code: C319G01U07L02

Objectives

- ▶ Identify how many sides and how many corners each solid figure has.

Keywords

- ▶ corners, edge, face, side, vertex.

Lesson 4: Symmetry

Code: C319G01U07L06

Objectives

- ▶ Determine the symmetry of a figure.
- ▶ Identifies symmetry in their environment.

Keywords

- ▶ line of symmetry, symmetry.

Lesson 5: Rotation

Code: C319G01U07L07

Objectives

- ▶ Recognizes the movements of translation and rotation.
- ▶ Describes and identifies movements in a two-dimensional figure.

Keywords

- ▶ rotation, translation.

Lesson 6: Patterns With Shapes

Code: C319G01U07L08

Objectives

- ▶ Recognize and create patterns.

Keywords

- ▶ pattern, repetition, sequence.

Unit 8: Measurement

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

Lesson 0: Measurement

Code: C319G01U08L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Long and Short

Code: C319G01U08L01

Objectives

- ▶ Identify objects by their length.
- ▶ Classify objects by their length.
- ▶ Identify long and short objects.

Keywords

- ▶ long, short.

Lesson 2: Tall and Short

Code: C319G01U08L02

Objectives

- ▶ Identify objects by their physical characteristics.
- ▶ Identify and classify objects by height: tall and short.

Keywords

- ▶ tall, short.

Lesson 3: Wide and Narrow

Code: C319G01U08L03

Objectives

- ▶ Identify wide and narrow figures.
- ▶ Compare figures by their width.
- ▶ Recognize wide and narrow figures.

Keywords

- ▶ narrow, wide.

Lesson 4: Arbitrary Units

Code: C319G01U08L04

Objectives

- ▶ Identify arbitrary units to measure.
- ▶ Work with arbitrary units.
- ▶ Measure objects using arbitrary units.

Keywords

- ▶ arbitrary units.

Lesson 5: Inches

Code: C319G01U08L05

Objectives

- ▶ Identify measuring instruments.
- ▶ Identify the inch as a measuring unit.
- ▶ Measure objects using an inch ruler.

Keywords

- ▶ feet, inches.

Lesson 6: Feet

Code: C319G01U08L06

Objectives

- ▶ Identify the foot as a measuring unit.
- ▶ Use measuring instruments.
- ▶ Measure different objects in feet.

Keywords

- ▶ feet, inches.

Lesson 7: Centimeters

Code: C319G01U08L07

Objectives

- ▶ Identify the centimeter as a measuring unit.
- ▶ Measure items using a centimeter ruler.

Keywords

- ▶ centimeters.

Lesson 8: Weight

Code: C319G01U08L08

Objectives

- ▶ Identify measuring instruments of weight.
- ▶ Identify heavy and light objects.
- ▶ Identify heavier objects.

Keywords

- ▶ measuring weight

Lesson 9: Temperature

Code: C319G01U08L09

Objectives

- ▶ Identify the temperature as a measuring unit.
- ▶ Identify the thermometer as a measuring instrument.
- ▶ Identify objects that emit heat and cold.

Keywords

- ▶ cold, hot, temperature, thermometer.

Lesson 10: Capacity

Code: C319G01U08L10

Objectives

- ▶ Identify objects with greater or lesser capacity.
- ▶ Compare objects by their greater or lesser capacity.

Keywords

- ▶ capacity, greater, least.

Unit 9: Money

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

Lesson 0: Money

Code: C319G01U09L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Pennies and Nickels

Code: C319G01U09L01

Objectives

- ▶ Recognize the value of money.
- ▶ Identify pennies and nickels.

Keywords

- ▶ cent, dime, value.

Lesson 2: Dimes

Code: C319G01U09L02

Objectives

- ▶ Recognize the value of money.
- ▶ Identify dimes.

Keywords

- ▶ cent.

Lesson 3: Quarters

Code: C319G01U09L03

Objectives

- ▶ Recognize the value of money.
- ▶ Identify quarters.

Keywords

- ▶ cent, money, quarter.

Lesson 4: Dollars

Code: C319G01U09L04

Objectives

- ▶ Identify the dollar.

Keywords

- ▶ coins, dollar, equivalent.

Lesson 5: Counting Money

Code: C319G01U09L05

Objectives

- ▶ Count coins according to their value.

Keywords

- ▶ coins, count, dollar, equivalence, value.

Lesson 6: The Value of Things

Code: C319G01U09L06

Objectives

- ▶ Represent amounts of money with different coins.

Keywords

- ▶ coins, count, dollar, equivalence, value.

Lesson 7: Equal Amounts of Money

Code: C319G01U09L07

Objectives

- ▶ Establish a relation between the coins.

Keywords

- ▶ coins, count, dollar, equivalence, relation, worth.

Unit 10: Time

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

Lesson 0: Time

Code: C319G01U10L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Duration of Events

Code: C319G01U10L01

Objectives

- ▶ Make time estimates in terms of the duration of an event.

Keywords

- ▶ comparison, duration, event.

Lesson 2: Order of Events

Code: C319G01U10L02

Objectives

- ▶ Order events according to the period of the day in which they occur.

Keywords

- ▶ event, order, sequence.

Lesson 3: The Clock

Code: C319G01U10L03

Objectives

- ▶ Recognize and name the hands of a clock.

Keywords

- ▶ clock, hand, hour hand, minute hand, second hand.

Lesson 4: The Hour

Code: C319G01U10L04

Objectives

- ▶ Identify and write the hour in an analog clock.

Keywords

- ▶ hour.

Lesson 5: The Half Hour

Code: C319G01U10L05

Objectives

- ▶ Identify and write the half hour in an analog clock.

Keywords

- ▶ half an hour.

Lesson 6: The Digital Clock

Code: C319G01U10L06

Objectives

- ▶ Identify and write the hour in a digital clock.
- ▶ Identify and write the half an hour in a digital clock.

Keywords

- ▶ digital clock.

Lesson 7: Morning, Afternoon, and Night

Code: C319G01U10L07

Objectives

- ▶ Identify the morning, afternoon, and night as periods of a day.
- ▶ Order events according to the period of the day in which they occur.

Keywords

- ▶ afternoon, day, morning, night, periods.

Lesson 8: Days of the Week

Code: C319G01U10L08

Objectives

- ▶ Recognize the days of the week.

Keywords

- ▶ days, Friday, Monday, Saturday, Sunday, Thursday, Tuesday, Wednesday, week.

Lesson 9: Months of the Year

Code: C319G01U10L09

Objectives

- ▶ Recognize the months of the year.

Keywords

- ▶ April, August, calendar, December, February, January, July, June, March, May, month, November, October, September, year.

Unit I I: Graphs and Probability

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

Lesson 0: Graphs and Probability

Code: C319G01U11L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Organizing Data

Code: C319G01U11L01

Objectives

- ▶ Organize data.

Keywords

- ▶ compilation, data, information, organizing.

Lesson 2: Data Tables

Code: C319G01U11L02

Objectives

- ▶ Interpret information in graphs and tables.
- ▶ Organize data in order to build graphs and tables.

Keywords

- ▶ compilation, data, information, organizing, table.

Lesson 3: Pictographs

Code: C319G01U11L03

Objectives

- ▶ Recognize and use pictographs.

Keywords

- ▶ pictographs.

Lesson 4: Bar Graphs

Code: C319G01U11L04

Objectives

- ▶ Recognize and use bar graphs.

Keywords

- ▶ bar graphs.

Lesson 5: Probability

Code: C319G01U11L05

Objectives

- ▶ Estimate the probability of an event occurring.

Keywords

- ▶ probability.

Lesson 6: Certain, Probable, Impossible

Code: C319G01U11L06

Objectives

- ▶ Estimate the probability of an event occurring.

Keywords

- ▶ certain, impossible, probable.

Unit 12: Fractions

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

Lesson 0: Fractions

Code: C319G01UI2L00

Unit Documents: Learning While Playing, Problem Solving, Unit Review I & II and What I Learned

Lesson 1: Parts of a Whole

Code: C319G01UI2L01

Objectives

- ▶ Identify the parts of a whole.

Keywords

- ▶ equal parts, fractions, parts of a whole, parts of a group, whole.

Lesson 2: Halves

Code: C319G01UI2L02

Objectives

- ▶ Identify the half of a figure.

Keywords

- ▶ halves.

Lesson 3: Thirds

Code: C319G01UI2L03

Objectives

- ▶ Observe and divide figures into three equal parts.

Keywords

- ▶ thirds.

Lesson 4: Fourths

Code: C319G01UI2L04

Objectives

- ▶ Divide figures into four equal parts.

Keywords

- ▶ fourths.

Lesson 5: Parts of a Group

Code: C319G01U12L05

Objectives

- ▶ Identify the parts of a group.

Keywords

- ▶ parts of a whole, whole.