

SAT 10 Compendium of Instructional Objectives

Matched to

SkillsTutor and SkillsBank Mathematics II

Intermediate 2

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify alternative representations of rational numbers

Proportion and Percent: Lesson 1 - Relationship of Ratios Percents, & Decimals

Identify alternative representations of rational numbers

Proportion and Percent: Lesson 1 - Relationship of Ratios Percents, & Decimals

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Geometry - Problem Solving: Building a Sandbox

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Prediction: Number Sequence Puzzles

Introduction to Algebra - Decision Making: Buying a House

Geometry - Problem Solving: Building a Sandbox

Statistics and Probability - Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols, and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences

Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve problems using ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion

Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices

Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions

Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions

Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Translate problem situations into algebraic equations and expressions

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Solve simple algebraic equations

Introduction to Algebra: Lesson 11 - One-Step Equations

Introduction to Algebra: Lesson 12 - Two-Step Equations

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate understanding of basic probability concepts.

Read and interpret tables and graphs

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Statistics and Probability: Lesson 2 - Bar Graphs

Statistics and Probability: Lesson 3 - Line Graphs

Statistics and Probability - Prediction: The Real Cost of Living

Analyze tables and graphs

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Statistics and Probability: Lesson 2 - Bar Graphs

Statistics and Probability: Lesson 3 - Line Graphs

Statistics and Probability - Prediction: The Real Cost of Living

Identify possible outcomes

Statistics and Probability: Lesson 8 - Predicting Outcomes

Determine and use measures of central tendency

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Identify probabilities of simple events

Statistics and Probability: Lesson 6 - Simple Probability

Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Identify points on a coordinate grid

Introduction to Algebra: Lesson 13 - Graphing on the Coordinate Plane

Statistics and Probability: Lesson 3 - Line Graphs

Solve problems using properties of geometric figures

Geometry: Problem Solving: Building a Sandbox

Solve problems involving perimeter or area

Geometry: Lesson 6 – Area of Polygons

Geometry: Lesson 8 - Area of Circles

Estimate capacity using customary or metric units

Geometry: Lesson 2 – Units of Weight and Capacity

Solve problems involving elapsed time

Geometry: Lesson 3 - Time Zones

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change

Proportion and Percent: Lesson 11 – Discounts

Proportion and Percent: Lesson 12 – Simple Interest

Proportion and Percent: Comparison: Movie House Management

Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems

Introduction to Algebra: Decision Making: Buying a House

Geometry: Lesson 2 – Units of Weight and Capacity

Geometry: Lesson 3 – Time Zones

Geometry: Lesson 9 – Surface Area

Geometry: Lesson 11 – Formulas in Geometry

Geometry: Lesson 12 – Pythagorean Theorem

Geometry: Problem Solving: Building a Sandbox

Statistics and Probability: Lesson 2 – Bar Graphs

Statistics and Probability: Lesson 3 – Line Graphs

Statistics and Probability: Lesson 4 – Circle Graphs

Statistics and Probability: Lesson 6 – Simple Probability

Statistics and Probability: Lesson 7 – Counting Outcomes

Statistics and Probability: Lesson 8 – Predicting Outcomes

Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences

Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences

Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences

Proportion and Percent: Lesson 10 – Percent of Change

Proportion and Percent: Lesson 11 – Discounts

Proportion and Percent: Lesson 12 – Simple Interest

Proportion and Percent: Comparison: Movie House Management

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Mathematics Procedures

Computation with Whole Numbers

Addition of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Subtraction of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Multiplication of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Division of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Computation with Decimals

Addition of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Subtraction of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Multiplication of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Division of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Intermediate 3

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify and use order of operation rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions
Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Identify alternative representations of rational numbers

Proportion and Percent: Lesson 1 - Relationship of Ratios Percents, & Decimals

Translate between visual representations, sentences and symbolic notation

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Solve problems using appropriate strategies

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House

Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols, and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Evaluate expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Identify steps to solve equations

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences
Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve problems using ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Solve simple algebraic equations

Introduction to Algebra: Lesson 11 - One-Step Equations
Introduction to Algebra: Lesson 12 - Two-Step Equations

Solve problems using ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Read and interpret tables and graphs

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Statistics and Probability: Lesson 2 - Bar Graphs
Statistics and Probability: Lesson 3 - Line Graphs
Statistics and Probability - Prediction: The Real Cost of Living

Make a prediction based on experimental or statistical data

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Statistics and Probability - Prediction: The Real Cost of Living

Determine and use measures of central tendency

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Identify graphic representations of sets of data

Identify probabilities of simple events

Statistics and Probability: Lesson 6 - Simple Probability
Statistics and Probability: Lesson 8 - Predicting Outcomes

Identify possible outcomes

Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Identify a radius, diameter, or chord of a given circle

Geometry: Lesson 7 - Circumference of Circles

Classify Angles

Geometry: Lesson 4 - Angles
Geometry: Lesson 5 - Lines and Angles

Convert between units of measurement

Geometry: Lesson 1 - Units of Length
Geometry: Lesson 2 - Units of Weight and Capacity

Identify points on a coordinate grid

Introduction to Algebra: Lesson 13 - Graphing on the Coordinate Plane
Statistics and Probability: Lesson 3 - Line Graphs

Solve problems involving perimeter or area

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 8 - Area of Circles

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones

Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
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Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Mathematics Procedures

Computation with Whole Numbers

Addition of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Subtraction of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Multiplication of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Division of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Computation with Decimals

Addition of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Subtraction of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Multiplication of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Division of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Advanced 1

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify alternative representations of real numbers

Proportion and Percent: Lesson 1 - Relationship of Ratios Percents, & Decimals

Identify and use order of operation rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions
Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Identify numbers expressed in scientific notation

Introduction to Algebra: Lesson 5 – Scientific Notation

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Translate between visual representations, sentences and symbolic notation

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Solve problems using appropriate strategies

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
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Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers and figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Evaluate expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Solve algebraic equations

Introduction to Algebra: Lesson 11 – One-Step Equations
Introduction to Algebra: Lesson 12 – Two-Step Equations

Translate problem situations into algebraic expressions and equations

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Identify equations of linear functions given tables of values, points, or graphs

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences
Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve problems involving ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Determine and use measures of central tendency and dispersion

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Find the probability of a simple or compound event

Statistics and Probability: Lesson 6 - Simple Probability
Statistics and Probability: Lesson 8 - Predicting Outcomes

Read and interpret tables and graphs

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Statistics and Probability: Lesson 2 - Bar Graphs
Statistics and Probability: Lesson 3 - Line Graphs
Statistics and Probability - Prediction: The Real Cost of Living

Identify possible outcomes

Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Classify Angles

Geometry: Lesson 4 - Angles
Geometry: Lesson 5 - Lines and Angles

Identify appropriate units of measurement

Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity

Identify a radius, diameter, or chord of a given circle

Geometry: Lesson 7 - Circumference of Circles

Solve problems involving perimeter, circumference, area, or volume

Geometry: Lesson 6 – Area of Polygons

Geometry: Lesson 7 - Circumference of Circles
Geometry: Lesson 8 - Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 - Volume of Prisms and Cylinders
Geometry: Lesson 11 - Formulas in Geometry

Convert between units of measurement

Geometry: Lesson 1 - Units of Length
Geometry: Lesson 2 - Units of Weight and Capacity

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length

Geometry: Lesson 2 – Units of Weight and Capacity
 Geometry: Lesson 3 – Time Zones
 Geometry: Lesson 4 – Angles
 Geometry: Lesson 5 – Lines and Angles
 Geometry: Lesson 6 – Area of Polygons
 Geometry: Lesson 7 – Circumference of Circles
 Geometry: Lesson 8 – Area of Circles
 Geometry: Lesson 9 – Surface Area
 Geometry: Lesson 10 – Volume of Prisms and Cylinders
 Geometry: Lesson 11 – Formulas in Geometry
 Geometry: Lesson 12 – Pythagorean Theorem
 Geometry: Problem Solving: Building a Sandbox
 Statistics and Probability: Lesson 1 – Pictographs
 Statistics and Probability: Lesson 2 – Bar Graphs
 Statistics and Probability: Lesson 3 – Line Graphs
 Statistics and Probability: Lesson 4 – Circle Graphs
 Statistics and Probability: Lesson 5 – Measures of Central Tendency
 Statistics and Probability: Lesson 6 – Simple Probability
 Statistics and Probability: Lesson 7 – Counting Outcomes
 Statistics and Probability: Lesson 8 – Predicting Outcomes
 Statistics and Probability: Prediction: The Real Cost of Living

Mathematics Procedures

Computation with Whole Numbers

Addition of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
 Introduction to Algebra - Prediction: Number Sequence Puzzles
 Introduction to Algebra - Decision Making: Buying a House
 Geometry - Problem Solving: Building a Sandbox
 Statistics and Probability - Prediction: The Real Cost of Living

Subtraction of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
 Introduction to Algebra - Prediction: Number Sequence Puzzles
 Introduction to Algebra - Decision Making: Buying a House
 Geometry - Problem Solving: Building a Sandbox
 Statistics and Probability - Prediction: The Real Cost of Living

Multiplication of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
 Introduction to Algebra - Prediction: Number Sequence Puzzles
 Introduction to Algebra - Decision Making: Buying a House
 Geometry - Problem Solving: Building a Sandbox
 Statistics and Probability - Prediction: The Real Cost of Living

Division of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
 Introduction to Algebra - Prediction: Number Sequence Puzzles
 Introduction to Algebra - Decision Making: Buying a House
 Geometry - Problem Solving: Building a Sandbox
 Statistics and Probability - Prediction: The Real Cost of Living

Computation with Decimals

Addition of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Subtraction of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Multiplication of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Division of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Advanced 2

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify alternative representations of real numbers

Proportion and Percent: Lesson 1 - Relationship of Ratios Percents, & Decimals

Identify and use order of operations rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Identify numbers expressed in scientific notation

Introduction to Algebra: Lesson 5 – Scientific Notation

Solve problems using appropriate strategies

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences

Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences

Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences

Proportion and Percent: Lesson 10 – Percent of Change

Proportion and Percent: Lesson 11 – Discounts

Proportion and Percent: Lesson 12 – Simple Interest

Proportion and Percent: Comparison: Movie House Management

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems

Introduction to Algebra: Decision Making: Buying a House

Geometry: Lesson 1 – Units of Length

Geometry: Lesson 2 – Units of Weight and Capacity

Geometry: Lesson 3 – Time Zones

Geometry: Lesson 4 – Angles

Geometry: Lesson 5 – Lines and Angles

Geometry: Lesson 6 – Area of Polygons

Geometry: Lesson 7 – Circumference of Circles

Geometry: Lesson 8 – Area of Circles

Geometry: Lesson 9 – Surface Area

Geometry: Lesson 10 – Volume of Prisms and Cylinders

Geometry: Lesson 11 – Formulas in Geometry

Geometry: Lesson 12 – Pythagorean Theorem

Geometry: Problem Solving: Building a Sandbox

Statistics and Probability: Lesson 1 – Pictographs

Statistics and Probability: Lesson 2 – Bar Graphs

Statistics and Probability: Lesson 3 – Line Graphs

Statistics and Probability: Lesson 4 – Circle Graphs

Statistics and Probability: Lesson 5 – Measures of Central Tendency

Statistics and Probability: Lesson 6 – Simple Probability

Statistics and Probability: Lesson 7 – Counting Outcomes

Statistics and Probability: Lesson 8 – Predicting Outcomes

Statistics and Probability: Prediction: The Real Cost of Living

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Simplify expressions containing exponents

Introduction to Algebra: Lesson 4 - Exponents and Square Roots

Translate problem situations into symbolic notation

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Evaluate expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Identify equivalent algebraic expressions and equations

Introduction to Algebra: Lesson 10 – Simplifying Variable Expressions

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences
Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve problems involving ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Solve linear equations

Introduction to Algebra: Lesson 11 – One-Step Equations
Introduction to Algebra: Lesson 12 – Two-Step Equations

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Analyze data and draw inferences from tables and graphs

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Statistics and Probability: Lesson 2 - Bar Graphs
Statistics and Probability: Lesson 3 - Line Graphs
Statistics and Probability - Prediction: The Real Cost of Living

Determine and use measures of central tendency and dispersion

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Find the probability of a simple or compound event

Statistics and Probability: Lesson 6 - Simple Probability
Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Identify a radius, diameter, or chord of a given circle

Geometry: Lesson 7 - Circumference of Circles

Solve problems involving perimeter, circumference, area, or volume

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 - Circumference of Circles
Geometry: Lesson 8 - Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 - Volume of Prisms and Cylinders
Geometry: Lesson 11 - Formulas in Geometry

Classify Angles

Geometry: Lesson 4 - Angles
Geometry: Lesson 5 - Lines and Angles

Convert between units of measurement

Geometry: Lesson 1 - Units of Length
Geometry: Lesson 2 - Units of Weight and Capacity

Identify points on a coordinate grid

Introduction to Algebra: Lesson 13 - Graphing on the Coordinate Plane
Statistics and Probability: Lesson 3 - Line Graphs

Solve problems using properties of geometric figures

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox

Solve problems using the Pythagorean theorem

Geometry: Lesson 12 – Pythagorean Theorem

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Mathematics Procedures

Computation with Whole Numbers

Addition of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Subtraction of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Multiplication of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Division of whole numbers in context

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Computation with Decimals

Addition of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Subtraction of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Multiplication of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

Division of decimals in context

Proportion and Percent: Lesson 10 - Percent of Change
Proportion and Percent: Lesson 11 - Discounts
Proportion and Percent: Lesson 12 - Simple Interest
Proportion and Percent Thinking Lesson - Comparison: Movie House Management
Introduction to Algebra Thinking Lesson - Decision Making: Buying a House
Statistics and Probability Thinking Lesson - Prediction: The Real Cost of Living

TASK 1

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify numbers expressed in scientific notation

Introduction to Algebra: Lesson 5 – Scientific Notation

Identify and use field properties of addition and multiplication

Solve problems involving absolute value

Introduction to Algebra: Lesson 1 – Absolute Value

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Identify and use order of operations rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions
Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Simplify expressions containing exponents or radicals

Introduction to Algebra: Lesson 4 - Exponents and Square Roots

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Prediction: Number Sequence Puzzles
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox
Statistics and Probability - Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Analyze characteristics of linear relationships

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Identify equations of linear functions given tables of values, points, or graphs

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Solve linear, quadratic, or radical equations

Introduction to Algebra: Lesson 11 – One-Step Equations
Introduction to Algebra: Lesson 12 – Two-Step Equations

Solve problems involving ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Evaluate expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences
Introduction to Algebra - Prediction: Number Sequence Puzzles

Translate problem situations into algebraic expressions and equations

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Analyze data and draw inferences from tables and graphs

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Statistics and Probability: Lesson 2 - Bar Graphs
Statistics and Probability: Lesson 3 - Line Graphs
Statistics and Probability - Prediction: The Real Cost of Living

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Determine and use measures of central tendency and dispersion

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Find the probability of a simple or compound event

Statistics and Probability: Lesson 6 - Simple Probability
Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Determine measurements indirectly from scale drawings

Solve problems involving perimeter, circumference, area, or volume

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 - Circumference of Circles
Geometry: Lesson 8 - Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 - Volume of Prisms and Cylinders
Geometry: Lesson 11 - Formulas in Geometry

Identify points on a coordinate grid

Introduction to Algebra: Lesson 13 - Graphing on the Coordinate Plane
Statistics and Probability: Lesson 3 - Line Graphs

Solve problems using properties of geometric figures

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox

Solve problems using the Pythagorean theorem

Geometry: Lesson 12 – Pythagorean Theorem

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox
Statistics and Probability: Lesson 1 – Pictographs
Statistics and Probability: Lesson 2 – Bar Graphs
Statistics and Probability: Lesson 3 – Line Graphs
Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 5 – Measures of Central Tendency
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

TASK 2

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify numbers expressed in scientific notation

Introduction to Algebra: Lesson 5 – Scientific Notation

Solve problems using estimation strategies

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Geometry - Problem Solving: Building a Sandbox

Identify and use order of operations rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Simplify expressions containing exponents or radicals

Introduction to Algebra: Lesson 4 - Exponents and Square Roots

Solve problems involving absolute value

Introduction to Algebra: Lesson 1 – Absolute Value

Solve problems using nonroutine strategies

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Prediction: Number Sequence Puzzles

Introduction to Algebra - Decision Making: Buying a House

Geometry - Problem Solving: Building a Sandbox

Statistics and Probability - Prediction: The Real Cost of Living

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Identify slopes of lines given points, equations, or graphs

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Solve problems involving ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion

Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices

Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions

Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions

Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Analyze characteristics of linear relationships

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Evaluate expressions

Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences

Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve linear, quadratic, or radical equations

Introduction to Algebra: Lesson 11 – One-Step Equations

Introduction to Algebra: Lesson 12 – Two-Step Equations

Translate problem situations into algebraic expressions and equations

Introduction to Algebra: Lesson 14 – Writing Equations from Words

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Analyze data and draw inferences from tables and graphs

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Statistics and Probability: Lesson 2 - Bar Graphs

Statistics and Probability: Lesson 3 - Line Graphs

Statistics and Probability - Prediction: The Real Cost of Living

Make a prediction based on experimental or statistical data

Proportion and Percent - Comparison: Movie House Management

Introduction to Algebra - Decision Making: Buying a House

Statistics and Probability - Prediction: The Real Cost of Living

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Determine and use measures of central tendency and dispersion

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Find the probability of a simple or compound event

Statistics and Probability: Lesson 6 – Simple Probability

Solve problems involving probabilities

Statistics and Probability: Lesson 6 - Simple Probability

Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Solve problems involving perimeter, circumference, area, or volume

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 - Circumference of Circles
Geometry: Lesson 8 - Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 - Volume of Prisms and Cylinders
Geometry: Lesson 11 - Formulas in Geometry

Solve problems using the Pythagorean theorem

Geometry: Lesson 12 – Pythagorean Theorem

Solve problems using properties of geometric figures

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 – Circumference of Circles
Geometry: Lesson 8 – Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 – Volume of Prisms and Cylinders
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
Geometry: Problem Solving: Building a Sandbox

Process

Estimation

Apply estimation strategies in problem solving and determine the reasonableness of results.

Proportion and Percent - Comparison: Movie House Management
Introduction to Algebra - Decision Making: Buying a House
Geometry - Problem Solving: Building a Sandbox

Mathematical Connections

Demonstrate an understanding of the interrelatedness of mathematical concepts, procedures, and processes both among different mathematical topics and with other content areas.

Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems
Introduction to Algebra: Decision Making: Buying a House
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 11 – Formulas in Geometry
Geometry: Lesson 12 – Pythagorean Theorem
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Statistics and Probability: Lesson 4 – Circle Graphs
Statistics and Probability: Lesson 6 – Simple Probability
Statistics and Probability: Lesson 7 – Counting Outcomes
Statistics and Probability: Lesson 8 – Predicting Outcomes
Statistics and Probability: Prediction: The Real Cost of Living

Reasoning and Problem Solving

Demonstrate the ability to apply inductive, deductive, or spatial reasoning and to make valid inferences and draw valid conclusions. Demonstrate the ability to apply strategies to solve conventional and nonroutine problems.

Proportion and Percent: Lesson 7 – Finding the Part by Using Number Sentences
Proportion and Percent: Lesson 8 – Finding the Percent by Using Number Sentences
Proportion and Percent: Lesson 9 – Finding the Whole by Using Number Sentences
Proportion and Percent: Lesson 10 – Percent of Change
Proportion and Percent: Lesson 11 – Discounts
Proportion and Percent: Lesson 12 – Simple Interest
Proportion and Percent: Comparison: Movie House Management
Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane
Introduction to Algebra: Lesson 14 – Writing Equations from Words
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Geometry: Lesson 1 – Units of Length
Geometry: Lesson 2 – Units of Weight and Capacity
Geometry: Lesson 3 – Time Zones
Geometry: Lesson 4 – Angles
Geometry: Lesson 5 – Lines and Angles
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TASK 3

Mathematics Problem Solving

Number Sense and Operations

Demonstrate understanding of the meaning and use of numbers, the various representations of numbers, number systems, and the relationships between and among numbers. Demonstrate understanding of the meaning of operations, the relationship between operations, and the practical settings in which a specific operation or set of operations is appropriate.

Identify and use order of operation rules

Introduction to Algebra: Lesson 7 – Simplifying Numerical Expressions
Introduction to Algebra: Lesson 9 – Evaluating Variable Expressions

Simplify expressions containing exponents or radicals

Introduction to Algebra: Lesson 4 - Exponents and Square Roots

Solve problems containing exponents or radicals

Introduction to Algebra: Lesson 4 - Exponents and Square Roots
Introduction to Algebra: Lesson 5 – Scientific Notation

Patterns, Relationships, and Algebra

Describe, complete, continue, and demonstrate understanding of patterns involving numbers, symbols and geometric figures. Patterns with numbers include those found in lists, function tables, ratios and proportions, and matrices. Demonstrate understanding of algebraic principles through interaction with expressions, equations, algebraic notation, and other representations of mathematical relationships.

Identify slopes of lines given points, equations, or graphs

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Identify a function given a graph

Introduction to Algebra: Lesson 13 – Graphing on the Coordinate Plane

Solve problems involving ratio or proportion

Proportion and Percent: Lesson 2 - Ratio and Proportion
Proportion and Percent: Lesson 3 - Using Proportions to Find Group Prices
Proportion and Percent: Lesson 4 - Finding the Part by Using Proportions
Proportion and Percent: Lesson 5 - Finding the Percent by Using Proportions
Proportion and Percent: Lesson 6 - Finding the Whole by Using Proportions

Simplify algebraic expressions

Introduction to Algebra: Lesson 10 – Simplifying Variable Expressions

Solve problems involving patterns

Introduction to Algebra: Lesson 8 - Sequences
Introduction to Algebra - Prediction: Number Sequence Puzzles

Solve problems involving arithmetic or geometric sequences

Introduction to Algebra: Lesson 8 – Sequences
Introduction to Algebra: Prediction: Number Sequence Puzzles

Solve absolute value equations

Introduction to Algebra: Lesson 1 – Absolute Value

Solve linear, quadratic, or radical equations

Introduction to Algebra: Lesson 11 – One-Step Equations
Introduction to Algebra: Lesson 12 – Two-Step Equations

Solve problems involving algebraic equations

Introduction to Algebra: Lesson 11 – One-Step Equations
Introduction to Algebra: Lesson 12 – Two-Step Equations
Introduction to Algebra: Lesson 14 – Writing Equations from Words
Introduction to Algebra: Lesson 15 – Distance-Rate-Time Problems

Data, Statistics, and Probability

Describe, interpret, and make predictions based on the analysis of data presented in a variety of ways, including graphs, plots, tables, and lists. Demonstrate an understanding of probability concepts through interaction with simple events, compound events, and experimental probability.

Analyze data and draw inferences from tables and graphs

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Make a prediction based on experimental or statistical data

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Determine and use measures of central tendency and dispersion

Statistics and Probability: Lesson 5 - Measures of Central Tendency

Determine combinations and permutations

Statistics and Probability: Lesson 7 – Counting Outcomes

Find the probability of a simple or compound event

Statistics and Probability: Lesson 6 - Simple Probability
Statistics and Probability: Lesson 8 - Predicting Outcomes

Geometry and Measurement

Demonstrate understanding of the characteristics and properties of plane and solid figures, coordinate geometry, and spatial reasoning. Demonstrate understanding of the meaning and use of various measurement systems, the tools of measurement, and the integral role of estimation in measurement.

Solve problems involving perimeter, circumference, area, or volume

Geometry: Lesson 6 – Area of Polygons
Geometry: Lesson 7 - Circumference of Circles
Geometry: Lesson 8 - Area of Circles
Geometry: Lesson 9 – Surface Area
Geometry: Lesson 10 - Volume of Prisms and Cylinders
Geometry: Lesson 11 - Formulas in Geometry

Identify a radius, diameter, or chord of a given circle

Geometry: Lesson 7 - Circumference of Circles

Solve problems using properties of geometric figures

Geometry: Lesson 6 – Area of Polygons
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Process

Estimation

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