

The Key Concepts and Skills for each content strand are presented by month. For more information, refer to the Key Concepts and Skills table in the Unit Organizer of the *Teacher's Lesson Guide*.

Grade 5 *Everyday Mathematics*® Content by Strand

	August/September Lessons 1•1–2•4	October Lessons 2•5–3•7	November Lessons 3•8–4•7	December Lessons 4•8–5•13	January Lessons 6•1–7•3	February Lessons 7•4–8•7	March Lessons 8•8–9•11	April Lessons 10•1–11•2	May/June Lessons 11•3–12•9
Number and Numeration	Identify places in whole numbers and express the values of digits in those places. (Goal 1; Lesson 1•1) Identify places in decimals and express the values of digits in those places. (Goal 1; Lesson 1•1) Find factors of a number. (Goal 3; Lesson 1•2) Find all factors of a number. (Goal 5; Lesson 1•3) Describe numbers as odd or even using rectangular arrays. (Goal 3; Lesson 1•4) Define and classify prime and composite numbers. (Goal 3; Lesson 1•4) Rename square number factor pairs in exponential and standard notation. (Goal 4; Lesson 1•7) Use exponential notation to name square numbers and explore the relationship between square numbers and square roots. (Goal 4; Lesson 1•7) Find factor strings for numbers. (Goal 3; Lesson 1•6) Write the prime factorization for numbers. (Goal 3; Lesson 1•6) Rename numbers as factor strings or products of exponents. (Goal 4; Lesson 1•6) Use exponents to rename numbers. (Goal 4; Lesson 1•6) Write numbers in expanded notation. (Goal 1; Lesson 2•2)	Read and write decimals to the hundredths place. (Goal 1; Lesson 2•2) Order decimals to the hundredths place. (Goal 1; Lesson 2•2) Use place value to make magnitude estimates for products. (Goal 1; Lesson 2•7) Read and write large numbers. (Goal 1; Lessons 2•10, 3•2) Compare order of magnitude for large numbers. (Goal 6; Lesson 2•10)	Generate equivalent names for whole numbers. (Goal 4; Lesson 4•1) Use divisibility rules to identify multiples. (Goal 3; Lesson 4•4)	Find fractions of a set and find the whole based on a known fraction of a set. (Goal 2; Lesson 5•1) Find equivalent names for a fraction of a set. (Goal 3; Lesson 5•1) Find equivalent names for fractions and mixed numbers. (Goal 6; Lesson 5•2) Compare fractions and mixed numbers. (Goal 6; Lesson 5•2) Find equivalent fractions using a length model. (Goal 1; Lesson 5•3) Compare fractions to the benchmarks 0, $\frac{1}{2}$, and 1. (Goal 6; Lesson 5•3) Order fractions from least to greatest. (Goal 6; Lesson 5•3) Generate equivalent fractions using a length model. (Goal 5; Lesson 5•4) Use and explain multiplication and division rules to find equivalent fractions. (Goal 5; Lesson 5•4) Rename fractions and mixed numbers as decimals. (Goal 4; Lesson 5•5) Compare and order decimals. (Goal 6; Lesson 5•5) Convert between fractions, mixed numbers, and decimals. (Goal 5; Lesson 5•4) Order rational numbers. (Goal 6; Lesson 5•4) Order fractions and decimals on a number line. (Goal 6; Lesson 5•4) Differentiate between repeating and terminating decimals. (Goal 1; Lesson 5•7) Use a calculator to rename fractions as decimals. (Goal 5; Lesson 5•7, 5•8) Convert between fractions and decimals. (Goal 5; Lesson 5•7) Compare fractions, whole numbers, and mixed numbers. (Goal 6; Lesson 5•7) Use correct notation to write terminating and repeating decimals. (Goal 1; Lesson 5•8) Define the uses and meaning of percents. (Goal 2; Lesson 5•9) Convert between fractions, decimals, and percents. (Goal 5; Lesson 5•8, 5•12) Convert between fractions and percents. (Goal 5; Lesson 5•10) Find fraction and percent equivalents. (Goal 5; Lesson 5•11)	Solve problems involving percent. (Goal 2; Lesson 6•2) Convert fractions to percents. (Goal 5; Lesson 6•2, 6•4) Identify benchmarks on a number line. (Goal 6; Lesson 6•2) Find common denominators. (Goal 5; Lesson 6•4) Use the products of denominators to find equivalent fractions. (Goal 5; Lesson 6•4) Rename pairs of fractions using a common denominator. (Goal 5; Lesson 6•4) Explore the place value of numbers written as powers of 10. (Goal 4; Lesson 7•2) Explore the place value of numbers written as powers of 10. (Goal 1; Lesson 7•2) Translate numbers from scientific notation to standard and number-and-word notation. (Goal 1; Lesson 7•2)	Compare and order signed whole numbers, fractions, and decimals. (Goal 5; Lesson 7•10) Identify equivalent fractions. (Goal 5; Lesson 7•10) Identify fractions on a number line. (Goal 6; Lesson 7•10) Find equivalent fractions. (Goal 5; Lesson 8•1) Compare and order fractions. (Goal 6; Lesson 8•1, 8•4) Find equivalent fractions in simplest form. (Goal 5; Lesson 8•2) Convert between and simplify fractions and mixed numbers. (Goal 5; Lesson 8•2) Find equivalent names for mixed numbers. (Goal 5; Lesson 8•2) Convert between fractions and mixed numbers. (Goal 5; Lesson 8•2) Express fractions and mixed numbers in simplest form. (Goal 5; Lesson 8•4) Find fractions of a set. (Goal 2; Lesson 8•7) Use given denominators to rename numbers as fractions. (Goal 5; Lesson 8•7)	Convert between fractions and mixed numbers. (Goal 5; Lesson 8•4) Calculate percents and discounts and describe strategies used. (Goal 2; Lesson 8•4) Convert between fractions, decimals, and percents. (Goal 5; Lesson 8•4) Use unit fractions and unit percents to find the whole. (Goal 2; Lesson 8•10) Use unit fractions to solve fraction-of-problems and unit percents to solve percent-of-problems. (Goal 2; Lesson 8•10, 8•11) Find the unit fraction or unit percent of a given whole. (Goal 2; Lesson 8•10, 8•11) Convert between fractions and percents. (Goal 5; Lesson 8•4) Find common denominators for pairs of fractions. (Goal 5; Lesson 8•7) Translate numbers written in scientific notation into standard notation and number-and-word notation. (Goal 1; Lesson 8•1) Identify decimals on a number line. (Goal 1; Lesson 9•2)	Identify the prime factorization for a number. (Goal 3; Lesson 12•1) Find greatest common factors and least common multiples using factor strings. (Goal 5; Lesson 12•1) Use greatest common factors and least common multiples to rename fractions. (Goal 5; Lesson 12•1) Write ratios in equivalent forms. (Goal 5; Lesson 12•3) Compare numbers that are 10 times more or 10 times less than each other. (Goal 6; Lesson 12•3) Use equivalent fractions and ratio models to solve fraction-of-problems. (Goal 2; Lesson 12•4) Use equivalent fractions and ratio models to solve ratio number stories. (Goal 5; Lesson 12•4) Identify equivalent expressions for whole numbers. (Goal 4; Lesson 12•4)	
Operations and Computation	Write number sentences for rectangular arrays. (Goal 7; Lesson 1•2) Write number models for rectangular arrays. (Goal 7; Lesson 1•3) Solve and apply multiplication facts. (Goal 2; Lesson 1•3) Apply multiplication/division facts by using rules of divisibility and finding factors. (Goal 2; Lesson 1•4) Explore the relationship between the operations of multiplication and division. (Goal 2; Lesson 1•4) Investigate the properties of square numbers. (Goal 7; Lesson 1•7) Use paper-and-pencil algorithms for multidigit addition problems. (Goal 1; Lesson 2•2) Make magnitude estimates for addition. (Goal 6; Lesson 2•2) Explore algorithms for multidigit subtraction problems. (Goal 1; Lesson 2•3) Make magnitude estimates for subtraction. (Goal 6; Lesson 2•3) Solve addition and subtraction problems for whole numbers and decimals. (Goal 1; Lesson 2•4) Make magnitude estimates for addition and subtraction number stories. (Goal 6; Lesson 2•4)	Make magnitude estimates for problems. (Goal 6; Lesson 2•7) Round numbers to make magnitude estimates for multiplication problems. (Goal 6; Lesson 2•7) Solve whole-number and decimal problems using the partial-products algorithm. (Goal 3; Lesson 2•8) Make magnitude estimates. (Goal 6; Lesson 2•8) Use magnitude estimates to place the decimal point in products. (Goal 6; Lesson 2•8) Apply multiplication facts. (Goal 2; Lesson 2•9) Use the lattice method for multiplying whole numbers and decimals. (Goal 3; Lesson 2•9) Use magnitude estimates to verify lattice method solutions. (Goal 6; Lesson 2•9) Make reasonable estimates for whole-number multiplication problems. (Goal 6; Lesson 2•10) Evaluate exact numbers versus estimates for population data. (Goal 6; Lesson 3•2)	Apply multiplication facts, related division facts, or extended facts to identify friendly numbers. (Goal 2; Lesson 4•1) Use friendly numbers to divide 2-digit by 1-digit numbers. (Goal 3; Lesson 4•1) Use the partial-quotients algorithm for problems. (Goal 3; Lesson 4•4) Apply friendly numbers to identify partial quotients. (Goal 3; Lesson 4•2) Factor numbers to identify partial quotients. (Goal 1; Lesson 4•2) Use a map scale. (Goal 6; Lesson 4•3) Apply division facts and extended facts to identify partial quotients. (Goal 2; Lesson 4•4) Use vocabulary (dividend, divisor, quotient, and remainder) to discuss magnitude estimates. (Goal 3; Lesson 4•4) Use the partial-quotients algorithm to solve problems. (Goal 3; Lesson 4•3) Make magnitude estimates for quotients. (Goal 6; Lesson 4•5, 4•6) Interpret the remainder in number story solutions. (Goal 3; Lesson 4•4)	Interpret a fraction as division of the numerator by the denominator. (Goal 3; Lesson 5•1) Identify and use unit fractions to solve problems. (Goal 7; Lesson 5•1) Add fractions using an area model. (Goal 4; Lesson 5•2) Explore the meaning of fractions using an area model to identify parts or the whole. (Goal 7; Lesson 5•2) Solve fraction number stories using a number-line model. (Goal 4; Lesson 5•3) Use fraction disks to add fractions. (Goal 4; Lesson 5•2) Round decimals. (Goal 6; Lesson 5•3) Solve problems involving ratios. (Goal 7; Lesson 5•12)	Add fractions and mixed numbers with like and unlike denominators. (Goal 1; Lesson 7•4) Use benchmarks to estimate sums and differences. (Goal 6; Lesson 8•4, 8•6) Use clock models and pencil-and-paper algorithms to add and subtract fractions. (Goal 4; Lesson 8•6) Use common denominators to add and subtract fraction pairs. (Goal 4; Lesson 8•10)	Model sums of positive and negative numbers with manipulatives. (Goal 1; Lesson 7•8) Model differences of positive and negative numbers with manipulatives. (Goal 1; Lesson 7•8) Write and solve the equivalent addition number model for signed number subtraction problems. (Goal 1; Lesson 7•8) Add fractions and mixed numbers with like and unlike denominators. (Goal 4; Lesson 7•10) Use a calculator to add and subtract signed numbers. (Goal 1; Lesson 7•11) Add fractions with common denominators. (Goal 4; Lesson 8•1) Add fractions and mixed numbers. (Goal 4; Lesson 8•2) Use benchmarks to estimate sums. (Goal 6; Lesson 8•2, 8•4) Subtract mixed numbers. (Goal 4; Lesson 8•3) Use benchmarks to estimate differences. (Goal 6; Lesson 8•3) Use mental arithmetic, paper-and-pencil algorithms, and calculators to solve fraction and mixed-number addition problems. (Goal 4; Lesson 8•4) Use unit fractions to find a fraction of a number and to find the whole. (Goal 4; Lesson 8•4) Use an area model to find fractions of fractions. (Goal 5; Lesson 8•4, 8•4) Write number models for fraction multiplication problems shown with an area model. (Goal 7; Lesson 8•4) Use an area model and a fraction multiplication algorithm to find fraction-by-whole number products. (Goal 5; Lesson 8•7)	Multiply mixed numbers. (Goal 5; Lesson 8•4) Use the partial-products algorithm to multiply whole numbers, fractions, and mixed numbers. (Goal 5; Lesson 8•4) Use ratios expressed as percents to solve problems. (Goal 7; Lesson 8•4) Use diagrams and visual models for division of fractions problems. (Goal 2; Lesson 9•2) Solve number stories involving division of a fraction by a whole number, division of a whole number by a fraction, and division of a fraction by a fraction. (Goal 3; Lesson 9•2) Multiply fractions and mixed numbers to find the area of a rectangle. (Goal 3; Lesson 9•2) Use sampling to make an estimate for surface area problems. (Goal 6; Lesson 9•7)	Use addition and subtraction to solve pan-balance problems. (Goal 1; Lesson 10•1, 10•2) Express ratios in a variety of ways. (Goal 7; Lesson 10•3) Use ratios to express relationships between dimensions of objects. (Goal 7; Lesson 10•4) Use multiplication to make estimates. (Goal 6; Lesson 10•4) Solve rate problems. (Goal 7; Lesson 10•4, 10•4) Solve rate problems using multiplication. (Goal 3; Lesson 10•4) Compare rates and solve rate problems. (Goal 7; Lesson 10•4) Solve ratio problems. (Goal 7; Lesson 10•4)	Use multiplication facts to find factor strings. (Goal 2; Lesson 12•1) Express ratios in a variety of ways. (Goal 7; Lesson 12•3) Model and solve ratio problems. (Goal 7; Lesson 12•4, 12•4) Use multiplication to make estimates. (Goal 6; Lesson 12•4) Solve rate problems. (Goal 7; Lesson 12•4, 12•4) Solve rate problems using multiplication. (Goal 3; Lesson 12•4) Compare rates and solve rate problems. (Goal 7; Lesson 12•4) Solve ratio problems. (Goal 7; Lesson 12•4)
Date and Chance	Find the median for a data set. (Goal 2; Lesson 2•1) Use line plots to organize reaction-time data. (Goal 1; Lesson 2•3) Find statistical landmarks. (Goal 2; Lesson 2•3) Compare and draw conclusions about collected data. (Goal 2; Lesson 2•3) Record data in a table. (Goal 1; Lesson 2•4) Find landmarks for a data set. (Goal 2; Lesson 2•4) Describe events using basic probability terms. (Goal 3; Lesson 2•4) Predict the outcomes and respond to the results of a thumbtack experiment. (Goal 4; Lesson 2•4) Express the probability of an event as a fraction, decimal, or percent. (Goal 4; Lesson 2•4) Use collected data to make predictions. (Goal 2; Lesson 3•1) Use census data to estimate percentages. (Goal 2; Lesson 3•1) Express probability as a percent, decimal, or fraction. (Goal 4; Lesson 3•1) Use table data to answer questions. (Goal 2; Lesson 3•2)	Use line plots to organize reaction-time data. (Goal 1; Lesson 2•3) Find statistical landmarks. (Goal 2; Lesson 2•3) Compare and draw conclusions about collected data. (Goal 2; Lesson 2•3) Record data in a table. (Goal 1; Lesson 2•4) Find landmarks for a data set. (Goal 2; Lesson 2•4) Describe events using basic probability terms. (Goal 3; Lesson 2•4) Predict the outcomes and respond to the results of a thumbtack experiment. (Goal 4; Lesson 2•4) Express the probability of an event as a fraction, decimal, or percent. (Goal 4; Lesson 2•4) Use collected data to make predictions. (Goal 2; Lesson 3•1) Use census data to estimate percentages. (Goal 2; Lesson 3•1) Express probability as a percent, decimal, or fraction. (Goal 4; Lesson 3•1) Use table data to answer questions. (Goal 2; Lesson 3•2)	Find maximum, minimum, and median for a data set. (Goal 2; Lesson 3•2) Draw conclusions based on collected data. (Goal 2; Lesson 3•2)	Create a bar graph for a data set. (Goal 1; Lesson 5•9) Explain how circle graphs represent data. (Goal 1; Lesson 5•9) Compare and answer questions about data sets and their organization. (Goal 2; Lesson 5•1) Construct circle graphs from table data. (Goal 1; Lesson 5•11) Interpret data presented in various forms. (Goal 1; Lesson 5•11) Use graphs to ask and answer questions and draw conclusions. (Goal 2; Lesson 5•12) Answer questions based on tables. (Goal 2; Lesson 5•12)	Organize data using a picture, graph, table, or list. (Goal 1; Lesson 6•1) Identify data landmarks for data sets. (Goal 2; Lesson 6•1) Compare and answer questions about data sets and their organization. (Goal 2; Lesson 6•1) Organize and display data using a table. (Goal 1; Lesson 6•2) Use collected data to make predictions about future outcomes of a simple game. (Goal 3; Lesson 6•2) Collect and organize class data. (Goal 1; Lesson 6•3) Identify data landmarks. (Goal 2; Lesson 6•3) Interpret line plots and stem-and-leaf plots. (Goal 2; Lesson 6•4) Use landmarks to identify data sets. (Goal 2; Lesson 6•4) Use landmarks to draw conclusions about data sets. (Goal 2; Lesson 6•4) Construct circle graphs of class data. (Goal 1; Lesson 6•4) Make predictions based on sampling. (Goal 2; Lesson 6•5) Construct bar and circle graphs and a stem-and-leaf plot. (Goal 1; Lesson 6•4) Identify data landmarks. (Goal 2; Lesson 6•4) Investigate the use of contour maps to organize collected data. (Goal 1; Lesson 6•7) Use the data displayed in contour maps to answer questions and draw conclusions. (Goal 2; Lesson 6•7)	Use given data to create line graphs. (Goal 1; Lesson 7•4) Use the graph data to answer questions. (Goal 2; Lesson 7•4) Create a line plot. (Goal 1; Lesson 7•10) Analyze a data set. (Goal 1; Lesson 7•10)	Collect and organize data from maps and charts. (Goal 1; Lesson 8•11) Collect and organize data. (Goal 1; Lesson 8•7)	Use table data to create line graphs. (Goal 1; Lesson 10•4) Construct line graphs that represent single sets of data. (Goal 1; Lesson 10•4) Construct line graphs that represent two sets of data. (Goal 1; Lesson 10•4) Read and analyze line graphs and answer questions based on the displayed data. (Goal 1; Lesson 10•7) Find the median of a data set. (Goal 2; Lesson 10•4, 10•4) Construct line graphs and side-by-side line plots of collected data. (Goal 1; Lesson 12•7) Find and interpret the landmarks for collected data. (Goal 2; Lesson 12•7) Make predictions based on simple experiments. (Goal 4; Lesson 12•7)	Use tables to collect data. (Goal 1; Lesson 11•3) Use tables to record data. (Goal 1; Lesson 11•3) Describe events using basic probability terms. (Goal 3; Lesson 12•3) Use the Multiplication Counting Principle and tree diagrams to solve probability problems. (Goal 4; Lesson 12•2) Express the probability of an event as a fraction. (Goal 4; Lesson 12•2) Construct line graphs and side-by-side line plots of collected data. (Goal 1; Lesson 12•7) Find and interpret the landmarks for collected data. (Goal 2; Lesson 12•7) Make predictions based on simple experiments. (Goal 4; Lesson 12•7)
Measurement and Reference Frames	Estimate linear distance using a map scale. (Goal 1; Lesson 2•1) Convert between inches, feet, and miles. (Goal 1; Lesson 2•1)	Use a full-circle and a half-circle protractor to measure and draw angles. (Goal 1; Lesson 3•4) Copy, measure, and construct line segments using a compass, straightedge, and ruler. (Goal 1; Lesson 3•4) Explore the relationship between radius and diameter measurements. (Goal 2; Lesson 3•4) Measure angles with a protractor. (Goal 1; Lesson 3•4, 3•6) Copy, measure, and construct line segments using a compass, straightedge, and ruler. (Goal 1; Lesson 3•4) Explore the relationship between radius and diameter measurements. (Goal 2; Lesson 3•4) Measure angles with a protractor. (Goal 1; Lesson 3•4, 3•6)	Measure angles with a protractor. (Goal 1; Lesson 3•4, 3•6) Find the value of a given radius or diameter. (Goal 1; Lesson 3•4) Measure to the nearest half-inch. (Goal 1; Lesson 4•3) Estimate distances on a map. (Goal 1; Lesson 4•3)	Estimate circle-graph sector sizes. (Goal 1; Lesson 5•10) Measure sectors of a circle graph using the Percent Circle. (Goal 1; Lesson 5•10, 5•11) Use graphs to ask and answer questions and draw conclusions. (Goal 2; Lesson 5•12) Answer questions based on tables. (Goal 2; Lesson 5•12)	Measure to the nearest millimeter, centimeter, and inch. (Goal 1; Lesson 6•2) Measure finger and hand spans to the nearest millimeter. (Goal 1; Lesson 6•2) Measure angles with half-circle protractors. (Goal 1; Lesson 6•3)	Plot signed numbers on a number line. (Goal 4; Lesson 7•7)	Use ordered pairs of numbers to name, locate, and plot points in the first quadrant of a coordinate grid. (Goal 4; Lesson 9•3) Plot points in the first quadrant of a coordinate grid. (Goal 4; Lesson 9•2) Plot points in three quadrants of a coordinate grid. (Goal 4; Lesson 9•3) Use a formula to calculate the area of rectangles. (Goal 2; Lesson 9•4) Compare inch and centimeter measures for length and area. (Goal 3; Lesson 9•4) Use polygonal properties to support strategies for finding the areas of polygons. (Goal 2; Lesson 9•4) Explore the relationships between U.S. customary and metric square units. (Goal 3; Lesson 9•5) Investigate and use formulas to find the areas of triangles and parallelograms. (Goal 2; Lesson 9•4) Use latitude and longitude coordinates to locate points on Earth. (Goal 4; Lesson 9•7) Use formulas ($A = \frac{1}{2}bh$ or $A = \frac{1}{2}P \times A$) to calculate the volumes of rectangular prisms. (Goal 2; Lesson 9•4) Use a formula to calculate the volumes of prisms. (Goal 2; Lesson 9•4) Explore relationships between units of length and units of capacity. (Goal 3; Lesson 9•10) Investigate relationships and conversions between units of capacity and volume. (Goal 3; Lesson 9•10) Describe patterns in relationships between the dimensions and volume of rectangular prisms. (Goal 3; Lesson 9•10)	Use ratios to define π and describe the relationship between circumference and diameter. (Goal 2; Lesson 10•4) Investigate and apply a formula for finding the area of a circle. (Goal 2; Lesson 10•4) Use ratios to describe the relationship between radius and area. (Goal 2; Lesson 10•4)	Apply formulas to calculate the area of a circle and volume of prisms and cylinders. (Goal 2; Lesson 11•2) Compare the volume and the capacity of cylinders. (Goal 2; Lesson 11•3) Use formulas to find the volume of geometric solids. (Goal 2; Lesson 11•4) Use a displacement method to find the volume of irregular solids. (Goal 2; Lesson 11•4) Calculate and use a metric measuring tool to compare volume and capacity. (Goal 2; Lesson 11•4) Use the formula for the volume of a prism to solve capacity problems. (Goal 2; Lesson 11•4) Use capacity calculations to solve problems. (Goal 3; Lesson 11•4) Convert between standard units of capacity. (Goal 3; Lesson 11•4) Measure the dimensions of a cylinder in inches and centimeters. (Goal 1; Lesson 11•7) Use rectangle and triangle area formulas to find the surface area of prisms and cylinders. (Goal 2; Lesson 11•7) Apply a formula to calculate the area of a circle. (Goal 2; Lesson 11•7) Measure to the nearest inch. (Goal 1; Lesson 12•4)
Geometry	Determine the measure of angles by using known measures. (Goal 1; Lesson 3•3) Review naming conventions for angles. (Goal 1; Lesson 3•3) Use angle relationships to determine angle measures. (Goal 1; Lesson 3•3) Define and classify angles according to their measures. (Goal 1; Lesson 3•4) Explore angle types and relationships. (Goal 1; Lesson 3•4) Investigate vertical, opposite, and adjacent angles. (Goal 1; Lesson 3•4) Use angle relationships to determine angle measures. (Goal 1; Lesson 3•4, 3•4) Classify triangles as isosceles, equilateral, or scalene. (Goal 2; Lesson 3•4) Use a compass and straightedge to construct congruent triangles. (Goal 2; Lesson 3•4) Identify the types of angles formed by polygons. (Goal 1; Lesson 3•7) Compare and classify polygons. (Goal 2; Lesson 3•7) Use relationships and properties to sort polygons. (Goal 2; Lesson 3•7)	Use angle relationships to determine angle measures. (Goal 1; Lesson 3•4, 3•4) Describe the properties of regular polygons. (Goal 1; Lesson 3•4) Compare and classify quadrangles. (Goal 2; Lesson 3•4) Identify, describe, and create tessellations. (Goal 3; Lesson 3•4) Investigate and compare the measurement sums of interior angles of polygons. (Goal 1; Lesson 3•4) Identify and draw polygons according to angle type. (Goal 1; Lesson 3•10) Identify and draw polygons according to given properties. (Goal 2; Lesson 3•10)						Use rules to generate transformations of plane figures on a coordinate grid. (Goal 2; Lesson 9•2) Describe and classify polyhedrons according to their faces. (Goal 2; Lesson 11•1) Describe and classify geometric solids according to their properties. (Goal 2; Lesson 11•2) Identify congruent faces on geometric solids. (Goal 2; Lesson 11•2)	Compare the properties of pyramids, prisms, cones, and cylinders. (Goal 2; Lesson 11•4) Identify and use the properties of prisms, pyramids, and cylinders in calculations. (Goal 2; Lesson 11•7)
Patterns, Functions, and Algebra	Use the turn-around rule for multiplication. (Goal 4; Lesson 1•2) Use array patterns to define square numbers. (Goal 4; Lesson 1•2) Calculate travel times for a given distance at a given rate of speed. (Goal 3; Lesson 2•1) Use open number sentences to solve number stories. (Goal 2; Lesson 2•4)	Write and solve number sentences that model division number stories. (Goal 2; Lesson 4•4) Describe the number patterns inherent to powers of 10. (Goal 1; Lesson 4•7) Write number sentences that model given situations. (Goal 2; Lesson 4•7)			Describe the number patterns inherent to exponential notation. (Goal 1; Lesson 7•1) Describe the number patterns inherent to powers of 10. (Goal 1; Lesson 7•2) Use number patterns to solve problems involving exponents. (Goal 1; Lesson 7•3)	Identify and write sentences that model number stories. (Goal 2; Lesson 7•4) Solve problems involving parentheses and nested parentheses. (Goal 3; Lesson 7•4) Insert parentheses in order to make true number sentences. (Goal 3; Lesson 7•4) Write an open sentence to model a number story. (Goal 2; Lesson 7•5) Evaluate numerical expressions using order of operations. (Goal 3; Lesson 7•5) Use the precedence of multiplication and division over addition and subtraction. (Goal 3; Lesson 7•5) Use signed number addition patterns to describe rules for adding signed numbers. (Goal 1; Lesson 7•8) Recognize the additive inverse. (Goal 4; Lesson 7•8) Use signed number subtraction patterns to describe a rule for subtracting signed numbers. (Goal 1; Lesson 7•8) Write number sentences that model signed-number addition and subtraction problems. (Goal 2; Lesson 7•2, 7•11) Describe the patterns in the area model for fraction multiplication. (Goal 1; Lesson 8•4) Recognize the patterns in products when a number is multiplied by a fraction that is less than or equal to 1. (Goal 1; Lesson 8•4)	Recognize the patterns in products when a number is multiplied by a fraction that is less than 1, equal to 1, or greater than 1. (Goal 1; Lesson 8•4) Write equations to model number stories. (Goal 2; Lesson 9•2) Write number sentences with variables to model volume problems. (Goal 2; Lesson 9•4)	Use a pan-balance model to solve linear equations with one unknown. (Goal 2; Lesson 10•1) Use a pan-balance model to solve linear equations with two unknowns. (Goal 2; Lesson 10•2) Write equations to model number stories. (Goal 1; Lesson 10•3) Write algebraic expressions to model rules. (Goal 1; Lesson 10•3) Use variables to write number models that describe situations. (Goal 2; Lesson 10•3) Represent functions with tables, graphs, and formulas. (Goal 1; Lesson 10•4, 10•4) Extend patterns in graphs and tables to solve problems. (Goal 1; Lesson 10•4, 10•4, 10•4) Represent rates with formulas, tables, and graphs. (Goal 1; Lesson 10•4) Identify and use patterns in graphs to match graphs with situations. (Goal 1; Lesson 10•7) Use patterns in a table to define the relationship between radius and area. (Goal 1; Lesson 10•8)	Describe patterns in relationships between the volumes of prisms, pyramids, cones, and cylinders. (Goal 1; Lesson 11•4)

Assessment 1

Assessment 2

Assessment 3

Assessment 4 & 5

Assessment 6

Assessment 7

Assessment 8 & 9

Assessment 10

Assessment 11 & 12



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