

GRADE 5 MATHEMATICS

CURRICULUM

CARLISLE AREA SCHOOL DISTRICT

DATE OF BOARD APPROVAL: AUGUST 18, 2022

COURSE OVERVIEW

Title:	Grade 5 Mathematics
Grade Level:	5
Level:	N/A
Length:	90 Minute Blocks
Duration:	165-180 Days
Frequency:	Daily
Pre-Requisites:	N/A
Credit:	N/A
Description:	This curriculum document is part of a vertically-aligned sequence of curricula from grades Kindergarten through five. Each grade level is aligned to the Pennsylvania Mathematics Standards, and addresses the four curricular domains: Numbers and Operations, Algebraic Thinking, Geometry, and Measurement and Data. Throughout elementary school, these courses are designed to develop students' concrete and abstract understanding of mathematics, foster strong number sense, and strengthen the ability to solve increasingly complex problems using a variety of methods and strategies. Ultimately, the objective is to empower students as mathematical thinkers and communicators.
	*Throughout document, italicized vocabulary appears in PSSA Mathematics Glossary.

COURSE TIMELINE

UNIT	TITLE	KEY CONCEPTS	DURATION (DAYS)
	Number Sense and Math Fluency	Ongoing skill development	Ongoing
1	Numbers and Operations in Base 10 – Place Value	 Understanding place value Navigating standard and expanded forms Comparing, ordering, and rounding decimals 	25 Days
2	Numbers and Operations in Base 10 - Multi-Digit Whole Number and Decimal Operations	 Multiplying and dividing whole numbers Adding and subtracting decimals Multiplying and dividing decimals 	30 Days
3	Numbers and Operations - Fractions	 Representing fractions in various ways Adding and subtracting fractions with unlike denominators Multiplying and dividing fractions 	30 Days
4	Algebraic Concepts	 Writing expressions Solving multi-step equations with order of operations Identifying patterns 	30 Days
5	Measurement and Data	 Measuring and converting measurements in real problems Reading and interpreting charts and graphs Solving problems involving fractions Solving problems involving volume 	25 Days
6	Geometry	 Understanding coordinate grids Classifying objects based on specific attributes Classifying quadrilaterals and triangles based on properties 	25 Days

DISCIPLINARY SKILLS and PRACTICES

DISCIPLINARY SKILL/PRACTICE	DESCRIPTION
Make sense of problems and persevere in solving them	Make conjectures about how real-world application problems may be solved, monitor progress toward a solution, and make adjustments in the problem solving plan if necessary.
Reason abstractly and quantitatively	Estimate and check answers to problems and determine the reasonableness of results.
Construct viable arguments and critique the reasoning of others	Justify and communicate conclusions effectively and respond to arguments logically.
Model with mathematics	Use mathematics to model real world problems, interpreting the mathematical results in the context of the situation.
Use appropriate tools strategically	Consider the tools available in solving problems and understand the insights gained by using the tool as well as the limitation of the tool.
Attend to precision	Calculate accurately and efficiently within the context of problems and communicate results precisely.
Look for and make use of structure	Examine problems to discern a pattern or structure and utilize this finding in similar problems.
Look for and express regularity in repeated reasoning	Notice repeated calculations or processes and generalize from those insights in order to solve problems.

^{*}Adapted from PA Academic Standards for Mathematics.

FLUENCY UNIT

Unit Title	Number Sense and Math Fluency (Ongoing)			
Unit Description	This is an ongoing mathematics fluency unit that is designed to be taught and reviewed consistently throughout the school year.			
Unit Assessment	N/A			
Essential Question	Learning Goals Content and Vocabulary Standards			
Fluency Skills	Review and practice addition, subtraction, multiplication, and division for basic facts (1-12). Review and practice adding/subtracting within 10, and multiplication and division fact families (factor, multiple, prime, composite). Regroup and manipulate numbers to assist in whole number operations (specifically with two- and three-digit addition and subtraction). Review and practice place value and number sense with whole numbers through millions and decimals up to hundredths.	Vocabulary addition, subtraction, regrouping, multiplication, division, basic facts, factors, addends, subtrahend, dividend, divisor, quotient, minuend, product, sum, difference	Grade 3 standards	

Unit Title	Numbers and Operations in Base 10 – Pla	ace Value (25 Days)	
Unit Description	Students will learn about place value and operations with whole numbers and decimals. They will be able to read and represent whole numbers and decimals and explain the digits' relationship to each other based on place value. Students will identify the value of numbers utilizing knowledge of location of digits and the use of exponents including powers of 10. They will compare, order, and round decimals based on the value of the number. This unit provides a foundation for number sense and place value that students will need to understand mathematical operations and problem-solving skills.		
Unit Assessment	Common Assessment		
Essential Question	Learning Goals Content and Vocabulary Standards		
How does the location of the digit determine its value in a whole number?	Read and write whole numbers in standard and expanded forms. (Review) Explain the relationship between place values in multi-digit numbers (x10 or x 1/10).	Vocabulary standard form/notation, expanded form/notation	CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. Eligible Content M05.A-T.1.1.1
How do I represent the place value of a whole number using powers of 10?	☐ Use whole-number exponents to denote powers of 10. ☐ Multiply whole numbers by powers of 10; explain the number of zeros in the product. ☐ Expand a whole number using exponential notation. ☐ Explain patterns in the number of zeroes as it relates to powers of 10.	Vocabulary base, exponents, powers of 10, exponential notation	CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. Eligible Content M05.A-T.1.1.2

How does the location of the digit determine its value in a decimal?	Read and write decimals to the thousandths using standard notation. Read and write decimals to the thousandths in word form. Read and write decimals to the thousandths using expanded form.	Vocabulary tenths, hundredths, thousandths	CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. Eligible Content M05.A-T.1.1.3
How do I compare, order, and round decimals?	☐ Compare and order decimals to the thousandths. ☐ Round a decimal to any place value.	Vocabulary tenths, hundredths, thousandths, greater than, less than, equal to, not equal to	CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. Eligible Content M05.A-T.1.1.4 M05.A-T.1.1.5
How do I represent the place value of a decimal using powers of 10?	☐ Multiply decimals by powers of 10. ☐ Divide decimals by powers of 10.	Vocabulary base, exponents, powers of 10, exponential notation	CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. Eligible Content M05.A-T.1.1.1
How do I answer open ended questions involving number sense and place value?	Review the steps to answer open ended questions using number sense and place value questions.	N/A	N/A

Unit Title	Numbers and Operations in Base 10 - Multi-Digit Whole Number and Decimal Operations (30 Days)		
Unit Description	Students will learn about multi-digit whole number and decimal operations using multiple algorithms. Whole number addition and subtraction should be reviewed to provide the foundation for decimal addition and subtraction. Students should review the rounding of whole numbers for the purpose of determining the reasonableness of an answer. Students will use critical thinking and problem-solving to interpret and represent the remainder of a division problem.		
Unit Assessment	Common Assessment		
Essential Question	Learning Goals	Content and Vocabulary	Standards
How do I multiply a multi-digit whole number?	Multiply up to a 3 x 3 multi-digit whole number using a standard algorithm.	Vocabulary traditional algorithm, partial products algorithm, lattice algorithm, product, factor	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. Eligible Content M05.A-T.2.1.1
How do I divide multi-digit whole numbers?	Divide multi-digit whole numbers with up to four-digit dividends and two-digit divisors using a standard algorithm.	Vocabulary inverse operations, dividend, divisor, quotient, traditional algorithm, partial quotients algorithm, remainder	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. Eligible Content M05.A-T.2.1.2

How do I solve a word problem using division?	☐ Interpret the remainder in a division word problem. ☐ Explain the solution to multi-digit, whole number operations using words or examples (straight computation or word problems).	Vocabulary remainder	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. Eligible Content M05.A-T.2.1.2
How do I add and subtract numbers with decimals?	☐ Add two decimals up to the hundredths. ☐ Subtract two decimals up to the hundredths. ☐ Explain decimal addition and subtraction strategies and their relationship to one another.	Vocabulary sum, difference, addend, subtrahend, minuend	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. Eligible Content M05.A-T.2.1.3
How do I multiply and divide decimals?	☐ Multiply two decimals up to the hundredths. ☐ Divide a dividend up to the hundredths by up to a two-digit, whole number divisor. (The divisor does not include a decimal.) ☐ Explain decimal multiplication and division strategies and their relationship to one another.	Vocabulary dividend, divisor, quotient, product, factor	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. Eligible Content M05.A-T.2.1.3
How do I solve open ended questions involving decimals?	Review the steps to answer open ended questions involving decimals.	N/A	N/A

Unit Title	Numbers and Operations – Fractions (30 Days)		
Unit Description	Students will learn about fractional relationships, equivalency, scaling, and operations including fractions and mixed numbers. Students will be able to convert, regroup, and simplify fractions in order to compare fractions, order fractions, and solve problems. This unit provides the fractional knowledge and understanding needed for mastery in the domains of algebraic concepts, measurement and data, and geometry.		
Unit Assessment	Common Assessment		
Essential Question	Learning Goals	Content and Vocabulary	Standards
How do I represent the same fraction in different ways?	 ☐ Convert improper fractions to mixed numbers. ☐ Convert mixed numbers to improper fractions. ☐ Simplify fractions to lowest terms 	Vocabulary fraction, benchmark fractions, equivalent fractions, improper fractions, mixed numbers, simplify/lowest terms, numerator, denominator	CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions. Eligible Content M05.A-F.1.1.1
How do I add fractions with unlike denominators?	☐ Use estimates and benchmark fractions to reason about sums of fractions. ☐ Add fractions with unlike denominators. ☐ Add mixed numbers with unlike denominators.	Vocabulary sum, regroup, equivalent fraction	CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions. Eligible Content M05.A-F.1.1.1

How do I subtract fractions with unlike denominators?	☐ Use estimates and benchmark fractions to reason about differences of fractions. ☐ Subtract fractions with unlike denominators. ☐ Subtract mixed numbers with unlike denominators. ☐ Solve word problems involving fraction addition and subtraction.	Vocabulary difference, regroup, equivalent fraction	CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions. Eligible Content M05.A-F.1.1.1
How do I multiply with fractions?	☐ Multiply fractions by fractions. ☐ Multiply mixed numbers by fractions and mixed numbers.	Vocabulary product, improper fractions	CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. Eligible Content M05.A-F.2.1.2
What are effects of multiplying fractions by other fractions?	 Explain the effects of multiplying by fractions greater than one or less than one. Explain the effects of multiplying by fractions equal to one (equivalent fractions). Compare the size of a product to one scale factor based. Apply the concept of scaling to word problems. 	Vocabulary scale, scale drawing, scale factor	CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. Eligible Content M05.A-F.2.1.3

How do I divide with fractions?	☐ Divide a whole number by a unit fraction. ☐ Divide a unit fraction by a whole number. ☐ Use contexts or word problems to solve fraction-based division problems.	Vocabulary unit fraction, dividend, divisor, quotient	CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. Eligible Content M05.A-F.2.1.4 M05.A-F.2.1.1
How do I solve open ended questions involving fractions?	Review the steps to answer open ended questions involving fractions.	N/A	N/A

Unit Title	Algebraic Concepts (30 Days)			
Unit Description	Students will learn about order of operations, patterns, and relationships between whole numbers, decimals, and fractions. Students will identify and use symbols following order of operations to solve and evaluate problems. They will generate and extend rules to identify the relationship between two corresponding terms (i.e. an input/output table).			
Unit Assessment	Common Assessment			
Essential Question	Learning Goals Content and Vocabulary Standards			
How do I write an expression?	 ☐ Explain the difference between an expression and an equation. ☐ Write numerical expressions that contain grouping symbols. ☐ Use parentheses interchangeably with the multiplication symbol. 	Vocabulary parenthesis, brackets, braces, nested parenthesis, grouping symbols, order of operations, numerical expression, equation	CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations. Eligible Content M05.B-O.1.1.1 M05.B-O.1.1.2	
How do I solve a multi-step equation using order of operations?	 ☐ Compare numerical expressions without solving them. ☐ Evaluate expressions using the order of operations. 	Vocabulary evaluate, simplify, order of operations, associative property of addition and multiplication, commutative property of addition and multiplication	CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations. Eligible Content M05.B-O.1.1.1	

How do I identify and extend a pattern?	☐ Generate two numerical patterns using two given rules. ☐ Identify relationships between corresponding terms of two patterns.	Vocabulary pattern	CC.2.2.5.A.4 Analyze patterns and relationships using two rules. Eligible Content M05.B-O.2.1.1 M05.B-O.2.1.2
How do I solve open ended questions using algebra?	Review the steps to answer open ended questions involving decimals.	N/A	N/A

Unit Title	Measurement and Data (25 Days)		
Unit Description	Student will learn to convert within the same measurement system to solve real-world problems. Additionally, students will understand concepts of volume including computation of volume for figures composed of multiple rectangular prisms. Students will work with different graphs and charts to interpret data involving fractions. This unit comes after instruction on decimal and fraction concepts because basic computation knowledge of fractions and decimals are foundational to problem-solving with measurement and data.		
Unit Assessment	Common Assessment		
Essential Question	Learning Goals	Content and Vocabulary	Standards
How do I convert measurements within a given system?	☐ Convert among measurement units within the same system. ☐ Use measurement conversions to solve multi-step, real-world problems.	Vocabulary metric system, U.S. standard system, conversion	CC.2.4.5.A.1 Solve problems using conversions within a given measurement system. Eligible Content M05.D-M.1.1.1
How do I interpret and create charts and graphs using data?	☐ Interpret data shown in tallies, tables, charts, pictographs, bar graphs, and line graphs, and line plots. ☐ Use a title, appropriate scale, and labels on graphs.	Vocabulary bar graph, line graph, line plot, scale, labels, pictograph	CC.2.4.5A.2 Represent and interpret data using appropriate scale. Eligible Content M05.D-M.2.1.2

How do I solve problems with fractions on a line plot?	Solve problems involving fractional data on line plots.	Vocabulary line plot, interval	CC.2.4.5.A.4 Solve problems involving computation of fractions using information provided in a line plot. Eligible Content M05.D-M.2.1.1
How do I solve for volume of a right rectangular prism?	☐ Solve for the area of a rectangle. ☐ Measure volume by counting unit cubes and improvised units. ☐ Apply formulas to find volumes of rectangular prisms including V = 1 x w x h and V = B x h.	Vocabulary cubic units, 3-D figure, volume, formula, rectangular prism, base	CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and addition. Eligible Content M05.D-M.3.1.1
How do I apply the formula for the volume of rectangular prisms to real-world problems?	☐ Find volumes of figures composed of rectangular prisms using whole numbers only. ☐ Solve real-world problems involving volumes of figures composed of prisms.	Vocabulary cubic units, 3-D figure (review), volume, formula, prism, rectangular prism, base, edge	CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and addition. Eligible Content M05.D-M.3.1.2
How do I solve open ended questions involving measurement and data?	Review the steps to answer open ended questions involving measurement and data.	N/A	N/A

Unit Title	Geometry (25 Days)		
Unit Description	Students will learn the properties of a polygon and classification as well as plotting data on a coordinate grid. They will create hierarchies of quadrilaterals and triangles based on identified properties. Students will also identify and use ordered pairs to represent and identify data on a coordinate grid.		
Unit Assessment	Common Assessment		
Essential Question	Learning Goals	Content and Vocabulary	Standards
How do I understand and use a Cartesian coordinate grid?	☐ Understand and use a Cartesian coordinate grid in two dimensions. ☐ Identify the components of a coordinate plane. ☐ Identify an ordered pair (x,y) in quadrant 1 of a coordinate plane. ☐ Represent real-world problems by graphing points in quadrant 1.	Vocabulary coordinate grid, plane, axis, X- axis, Y-axis, origin, coordinates, X-coordinate, Y-coordinate, quadrants, ordered pair, point	CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems. Eligible Content M05.C-G.1.1.1 M05.C-G.1.1.2
What are common properties of polygons?	Understand that shapes in a subcategory have all the properties of shapes in the parent category.	Vocabulary Two-dimensional (2D), properties, quadrilaterals, triangles, polygons, edge	CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties. Eligible Content M05.C-G.2.1.1

How do I classify quadrilaterals in a hierarchy based on properties?	Classify quadrilaterals in a hierarchy based on properties.	Vocabulary classify, congruent, quadrilaterals, hierarchy, properties, polygon, parallel, perpendicular, vertex, vertices, parallelogram, rhombus, rectangle, square, trapezoid, angles	CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties. Eligible Content M05.C-G.2.1.1
How do I classify triangles in a hierarchy based on properties?	Classify triangles in a hierarchy based on properties.	Vocabulary classify, congruent, triangles, hierarchy, properties, right angle, obtuse angle, acute angle, right triangle, equilateral triangle, isosceles triangle, scalene triangle, straight angle	CC.2.3.5.A.2 Classify two-dimensional figures into categories based on an understanding of their properties. Eligible Content M05.C-G.2.1.1
How do I solve open ended questions involving geometry?	Review the steps to answer open ended questions involving geometry.	N/A	N/A

ACCOMMODATIONS AND MODIFICATIONS

Adaptations or modifications to this planned course will allow exceptional students to earn credits toward graduation or develop skills necessary to make a transition from the school environment to community life and employment. The I.E.P. team has determined that modifications to this planned course will meet the student's I.E.P. needs.

Adaptations/Modifications may include but are not limited to:

INSTRUCTION CONTENT

- Modification of instructional content and/or instructional approaches
- Modification or deletion of some of the essential elements

SETTING

Preferential seating

METHODS

- Additional clarification of content
- Occasional need for one to one instruction
- Minor adjustments or pacing according to the student's rate of mastery
- Written work is difficult, use verbal/oral approaches
- Modifications of assignments/testing
- Reasonable extensions of time for task/project completion
- Assignment sheet/notebook
- Modified/adjusted mastery rates
- Modified/adjusted grading criteria
- Retesting opportunities

MATERIALS

- Supplemental texts and materials
- Large print materials for visually impaired students
- Outlines and/or study sheets
- Carbonless notebook paper
- Manipulative learning materials
- Alternatives to writing (tape recorder/calculator)

Grade 5

Eligible Content (EC) Standards

UNIT 1

How does the location of the digit determine its value in a whole number?

M05.A-T.1.1.1

Demonstrate an understanding that in a multi-digit number, a digit in one place represents 1/10 of what it represents in the place to its left.

How do I represent the place value of a whole number using powers of 10?

M05.A-T.1.1.2

Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

How does the location of the digit determine its value in a decimal?

M05.A-T.1.1.3

Read and write decimals to thousandths using base-ten numerals, word form, and expanded form.

How do I compare, order, and round decimals?

M05.A-T.1.1.4

Compare two decimals to thousandths based on meanings of the digits in each place using >, =, and < symbols.

M05.A-T.1.1.5

Round decimals to any place (limit rounding to ones, tenths, hundredths, or thousandths place).

How do I represent the place value of a decimal using powers of 10?

M05.A-T.1.1.1

Demonstrate an understanding that in a multi-digit number, a digit in one place represents 1/10 of what it represents in the place to its left.

How do I multiply a multi-digit whole number?

M05.A-T.2.1.1

Multiply whole digit numbers (not to exceed 3-digit x 3 digit).

How do I divide multi-digit whole numbers?

How do I solve a word problem using division?

M05.A-T.2.1.2

Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.

How do I add and subtract numbers with decimals?

How do I multiply and divide decimals?

M05.A-T.2.1.3

Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).

UNIT 3

How do I represent the same fraction in different ways?

How do I add fractions with unlike denominators?

How do I subtract fractions with unlike denominators?

M05.A-F.1.1.1

Add and subtract fractions (including mixed numbers) with unlike denominators. (May include multiple methods and representations.)

How do I multiply with fractions?

M05.A-F.2.1.2

Multiply a fraction including mixed numbers by a fraction.

What are effects of multiplying fractions by other fractions?

M05.A-F.2.1.3

Demonstrate an understanding of multiplication as scaling (resizing). Example 1: Comparing the size of a product to the size of one factor on the basis of the size of the other factor without performing the indicated multiplication. Example 2: Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller than the given number.

How do I divide with fractions?

M05.A-F.2.1.4

Divide unit fractions by whole numbers and whole numbers by unit fractions.

M05.A-F.2.1.1

Solve word problems involving division of whole numbers leading to answers in the form of fractions (including mixed numbers).

UNIT 4

How do I write an expression?

How do I solve a multi-step equation using order of operations?

M05.B-O.1.1.1

Use multiple grouping symbols in numerical expressions and evaluate expressions containing these symbols.

M05.B-O.1.1.2

Write simple expressions that model calculations with numbers and interpret numerical expressions without evaluating them.

How do I identify and extend a pattern?

M05.B-O.2.1.1

Generate two numerical patterns using two given rules.

M05.B-O.2.1.2

Identify apparent relationships between corresponding terms of two patterns with the same starting numbers that follow different rules.

How do I convert measurements within a given system?

M05.D-M.1.1.1

Convert between different-sized measurement units within a given measurement system. A table of equivalencies will be provided.

How do I interpret and create charts and graphs using data?

M05.D-M.2.1.2

Display and interpret data shown in tallies, tables, charts, pictographs, bar graphs, and line graphs, and use a title, appropriate scale, and labels.

How do I solve problems with fractions on a line plot?

M05.D-M.2.1.1

Solve problems involving computation of fractions by using information presented in line plots.

How do I solve for volume of a right rectangular prism?

M05.D-M.3.1.1

Apply the formulas $V = 1 \times x \times x$ h for rectangular prisms to find volumes of right rectangular prism with whole number edge-lengths in the context of solving real-world and mathematical problems.

How do I apply the formula for the volume of rectangular prisms to real-world problems?

M05.D-M.3.1.2

Find volumes of solid figures composed of two non-overlapping right rectangular prisms.

How do I understand and use a Cartesian coordinate grid?

M05.C-G.1.1.1

Identify parts of the coordinate plane. Limit the coordinate plane to quadrant 1.

M05.C-G.1.1.2

Represent real-world and mathematical problems by plotting points in quadrant 1 of the coordinate plane and interpret coordinate values of points in the context of the situation.

What are common properties of polygons?

How do I classify quadrilaterals in a hierarchy based on properties?

How do I classify triangles in a hierarchy based on properties?

M05.C-G.2.1.1

Classify two-dimensional figures in a hierarchy based on properties.