



Kindergarten – Fourth Grade Math

KINDERGARTEN

I. **Patterns and Classification**

- a. Establish concepts of likeness and difference by sorting and classifying objects according to various attributes: size, shape, color, amount, function, etc.
- b. Define a set by the common property of its elements.
- c. In a collection of objects that includes a given set and an item that does not belong, indicate which item does not belong.
- d. Moving from concrete objects to pictorial representations, recognize patterns and predict the extension of a pattern.
- e. Extend a sequence of ordered concrete objects.

II. **Numbers and Number Sense**

- a. Using concrete objects and pictorial representations, compare sets: same as (equal to), more than, less than, most, least
- b. Count forward from 1 to 31, first beginning with 1, and later from any given number backward from 10 from 1 to 10 by twos by fives and tens to 50
- c. •Write numbers 1 to 31 (with special attention to the difference between certain written symbols, such as 6 and 9; 2 and 5; 1 and 7; 12 and 21, etc.).
- d. Count and write the number of objects in a set.
- e. Given a number, identify one more, one less.
- f. Identify ordinal position, first (1st) through sixth (6th).
- g. Identify pairs.
- h. Interpret simple pictorial graphs.
- i. Identify $\frac{1}{2}$ as one of two equal parts of a region or object; find $\frac{1}{2}$ of a set of concrete objects.

III. **Money**

- a. Identify pennies, nickels, dimes, and quarters.
- b. Identify the one-dollar bill.
- c. Identify the dollar sign (\$) and cents sign (¢).
- d. Write money amounts using the cents sign (¢).

IV. **Computation**

- a. Add and subtract to ten, using concrete objects.
- b. Recognize the meaning of the plus sign (+).
- c. Subtraction: the concept of "taking away"; recognize the meaning of the minus sign (-).

V. **Measurement**

- a. Identify familiar instruments of measurement, such as ruler, scale, thermometer.
- b. Compare objects according to:
 - i. Linear measure long and short; longer than, shorter than measure length using non-standard units begin to measure length in inches height: taller than, shorter than Weight heavy, light heavier than, lighter than Capacity (volume) full and empty less full than, as full as, fuller than Temperature: hotter and colder
- c. Time
 - i. Sequence events: before and after; first, next, last.
 - ii. Compare duration of events: which takes longer.
 - iii. Read a clock face and tell time to the hour and the half hour.
 - iv. Know the days of the week and the months of the year.
 - v. Orientation in time: today, yesterday, tomorrow; morning, afternoon; this morning vs. yesterday morning, etc.

VI. **Geometry**

- a. Identify left and right hand.

- b. Identify top, bottom, middle.
- c. Know and use terms of orientation and relative position, such as:
 - i. closed, open
 - ii. on, under, over
 - iii. in front, in back (behind)
 - iv. between, in the middle of
 - v. next to, beside
 - vi. inside, outside
 - vii. around
 - viii. far from, near
 - ix. above, below
 - x. to the right of, to the left of
 - xi. here, there
- d. Identify and sort basic plane figures: square, rectangle, triangle, circle.
Identifying geometric solids: rectangular prism, pyramid, cylinder, sphere.
- e. Identify basic shapes in a variety of common objects and artifacts (windows, pictures, books, buildings, cars, etc.).
- f. Recognize shapes as the same or different.
- g. Make congruent shapes and designs.
- h. Compare size of basic plane figures (larger, smaller).

FIRST GRADE

I. Patterns and Classification

- a. Establish concepts of likeness and difference by sorting and classifying objects according to various attributes: size, shape, color, amount, function, etc.
- b. Define a set by the common property of its elements.
- c. In a collection of objects that includes a given set and an item that does not belong, indicate which item does not belong.
- d. Recognize patterns and predict the extension of a pattern.

II. Numbers and Number Sense

- a. Write numbers 0 - 100.
- b. Count from 0 - 100 by ones; twos; fives; tens.
- c. Count by tens from a given single-digit number.
- d. Count forward and backwards.
- e. Use tallies.
- f. Identify ordinal position, 1st to 10th.
- g. Identify dozen; half-dozen; pair.
- h. Recognize place value: ones, tens, hundreds.
- i. Identify more and less; counting how many more or less.
- j. Given a number, identify one more and one less; ten more and ten less.
- k. Compare quantities using the signs $<$, $>$, and $=$.
- l. Recognize fractions as part of a whole: $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$
- m. Create and interpret simple pictorial graphs and bar graphs.

III. Money

- a. Identify and recognize relative value of penny, nickel, dime, quarter.
- b. Recognize and use dollar (\$) and cents (¢) signs.
- c. Show how different combinations of coins equal the same amounts of money.

IV. Computation

- a. Addition (using concrete objects, and paper and pencil)
 - i. Know the meaning of the plus (+) sign.
 - ii. Know what a "sum" is.
 - iii. Know addition facts to $10 + 10$ (untimed mastery).
 - iv. Add in any order.
 - v. Know what happens when you add zero.
 - vi. Know how to write addition problems horizontally and vertically.
 - vii. Know that when you add 3 numbers, you get the same sum regardless of grouping of addends.
 - viii. Solve two-digit addition problems with and without regrouping.
- b. Subtraction (using concrete objects, and paper and pencil)
 - i. Understand subtraction as "taking away."
 - ii. Know the meaning of the minus sign (-).
 - iii. Know what a "difference" is.
 - iv. Know subtraction facts corresponding to addition facts (untimed mastery).
 - v. Know how to write subtraction problems horizontally and vertically.
 - vi. Solve two-digit subtraction problems with and without regrouping.
 - vii. Mentally subtract 10 from a two-digit number.
- c. Solving Problems and Equations
 - i. Write an addition or subtraction equation to solve basic one-step story and picture problems.
 - ii. Solve simple equations in the form of $__ - 2 = 7$; $5 + __ = 7$.

V. Measurement

- a. Identify familiar instruments of measurement, such as ruler, scale, thermometer.
- b. Compare objects according to
 - i. Linear measure
 - ii. Measure length using non-standard units.
 - iii. Measure length in inches and feet, and in centimeters.
 - iv. Measure and draw line segments in inches and centimeters.
 - v. Weight
 - vi. Compare weights of objects using a balance scale.
 - vii. Measure weight in non-standard units and in pounds.
 - viii. Capacity (volume)
 - ix. Estimate and measure capacity in cups.
 - x. Identify quart, gallon.
 - xi. Temperature: associate temperature in degrees Fahrenheit with weather.
- c. Time
 - i. Sequence events: before and after; first, next, last.
 - ii. Compare duration of events: which takes more or less time.
 - iii. Read a clock face and tell time to the half-hour.
 - iv. Know the days of the week and the months of the year, both in order and out of sequence.
 - v. Orientation in time: today, yesterday, tomorrow; morning, afternoon, evening, night; this morning vs. yesterday morning, etc.

VI. Geometry

- a. Identify left and right hand.
- b. Identify top, bottom, middle.
- c. Know and use terms of orientation and relative position, such as:
 - i. closed, open around
 - ii. on, under, over far from, near
 - iii. in front, in back (behind) above, below
 - iv. between, in the middle of to the right of, to the left of
 - v. next to, beside here, there
 - vi. inside, outside
- d. Identify and draw basic plane figures: square, rectangle, triangle, circle.
- e. Describe square, rectangle, triangle according to number of sides.
- f. Identify basic solid figures: sphere, cube, cone.
- g. Identify basic shapes in a variety of common objects and artifacts (balls, cans, windows, pictures, books, buildings, cars, etc.).
- h. Make congruent shapes and designs.

SECOND GRADE

I. Numbers and Number Sense

- a. Write numbers to 1,000.
- b. Read and write words for numbers from one to one hundred.
- c. Order and compare numbers to 1,000, using the signs $<$, $>$, and $=$.
- d. Count
 - i. by twos, threes, fives, and tens
 - ii. by tens from any given number
 - iii. by hundreds to 1,000; by fifties to 1,000
 - iv. forward and backward
- e. Use a number line.
- f. Use tallies.
- g. Identify ordinal position, 1st to 20th, and write words for ordinal numbers, first to twentieth.
- h. Identify even and odd numbers.
- i. Identify dozen; half-dozen; pair.
- j. Recognize place value: ones, tens, hundreds, thousands.
- k. Write numbers up to hundreds in expanded form (for example $64 = 60 + 4$; $367 = 300 + 60 + 7$).
- l. Given a number, identify one more and one less; ten more and ten less.
- m. Round to the nearest ten.
- n. Create and interpret simple bar graphs.
- o. Identify and extend numerical and symbolic patterns.
- p. Record numeric data systematically and find the lowest and highest values in a data set.

II. Fractions

- a. Recognize these fractions as part of a whole set or region and write the corresponding numerical symbols: $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{6}$, $\frac{1}{8}$, 110 .
- b. Recognize fractions that are equal to 1.

III. Money

- a. Recognize relative values of a penny, nickel, dime, quarter, and dollar.
- b. Write amounts of money using \$ and ¢ signs, and the decimal point.
- c. Show how different combinations of coins equal the same amounts of money.
- d. Add and subtract amounts of money.
- e. Writing checks up to \$999,999.99.

IV. Computation

- a. Addition
 - i. Achieve timed mastery of addition facts (2 seconds).
 - ii. Recognize what an addend is.
 - iii. Know how to write addition problems horizontally and vertically.
 - iv. Know how to add in any order and check a sum by changing the order of the addends.
 - v. Estimate the sum.
 - vi. Solve two-digit and three-digit addition problems with and without regrouping.
 - vii. Find the sum (up to 999) of any two whole numbers.

- viii. Add three two-digit numbers.
- ix. Practice doubling (adding a number to itself).
- b. Subtraction
 - i. Understand the inverse relation between addition and subtraction; use addition to check subtraction.
 - ii. Know addition and subtraction “fact families.”
 - iii. Achieve mastery of subtraction facts.
 - iv. Estimate the difference.
 - v. Know how to write subtraction problems horizontally and vertically.
 - vi. Solve two-digit and three-digit subtraction problems with and without regrouping.
 - vii. Given two whole numbers of 999 or less, find the difference.
- c. Introduction to Multiplication
 - i. Recognize the “times” sign (\times).
 - ii. Know what “factor” and “product” mean.
 - iii. Understand that you can multiply numbers in any order.
 - iv. Multiplication facts: know the product of any single-digit number \times 1, 2, 3, 4, 5.
 - v. Know what happens when you multiply by 1, by 0, and by 10.
 - vi. Practice simple word problems involving multiplication.
- d. Solving Problems and Equations
 - i. Solve basic word problems.
 - ii. Write and solve simple equations in the form of $__ - 9 = 7$; $7 + __ = 16$; $4 \times __ = 8$.

V. Measurement

- a. Linear Measure
 - i. Make linear measurements in feet and inches, and in centimeters.
 - ii. Know that one foot = 12 inches.
 - iii. Know abbreviations: ft., in.
 - iv. Measure and draw line segments in inches to $\frac{1}{2}$ inch, and in centimeters.
 - v. Estimate linear measurements, then measure to check estimates.
- b. Weight
 - i. Compare weights of objects using a balance scale.
 - ii. Estimate and measure weight in pounds, and know abbreviation: lb.
- c. Capacity (volume)
 - i. Estimate and measure capacity in cups.
 - ii. Measure liquid volumes: cups, pints, quarts, gallons.
 - iii. Compare U.S. and metric liquid volumes: quart and liter (one liter is a little more than one quart).
- d. Temperature
 - i. Measure and record temperature in degrees Fahrenheit to the nearest 2 degrees.
 - ii. Know the degree sign: $^{\circ}$
- e. Time
 - i. Read a clock face and tell time to five-minute intervals.
 - ii. Know how to distinguish time as a.m. or p.m.

- iii. Understand noon and midnight.
- iv. Solve problems on elapsed time (how much time has passed?).
- v. Using a calendar, identify the date, day of the week, month, and year.
- vi. Write the date using words and numbers.

VI. Geometry

- a. Identify and draw basic plane figures: square, rectangle, triangle, circle.
- b. Describe square, rectangle, triangle according to number of sides; distinguish between square and rectangle as regards length of sides (a square has sides of equal length).
- c. Measure perimeter in inches of squares and rectangles.
- d. Identify solid figures—sphere, cube, pyramid, cone, cylinder—and associate solid figures with planar shapes: sphere (circle), cube (square), pyramid (triangle).
- e. Make congruent shapes and designs.
- f. Identify lines as horizontal; vertical; perpendicular; parallel.
- g. Name lines and line segments (for example, line AB; segment CD).
- h. Identify a line of symmetry and create simple symmetric figures.

THIRD GRADE

I. Numbers and Number Sense

- a. Read and write numbers (in digits and words) up to six digits.
- b. Recognize place value up to hundred thousand.
- c. Order and compare numbers to 999,999, using the signs $<$, $>$, and $=$.
- d. Count by twos, threes, fives, and tens; count by tens from any given number.
- e. Write numbers in expanded form.
- f. Use a number line.
- g. Identify ordinal position, 1st to 100th.
- h. Review: even and odd numbers; dozen; half-dozen; pair.
- i. Round to the nearest ten; to the nearest hundred.
- j. Identify perfect squares (and square roots) to 100, and recognize the square root sign: $\sqrt{\quad}$
- k. Identify Roman numerals from 1 to 20 (I - XX).
- l. Understand what negative numbers are in relation to familiar uses (such as temperatures below zero).
- m. Locate positive and negative whole numbers on a number line.
- n. Create and interpret bar graphs and line graphs.
- o. Record outcomes for a simple event (for example, tossing a die) and display the results graphically.

II. Fractions and decimals

- a. Recognize fractions to 101 and fractions whose denominator is 100.
- b. Identify numerator and denominator.
- c. Write mixed numbers.
- d. Recognize equivalent fractions (for example, $\frac{1}{2} = \frac{63}{126}$).
- e. Compare fractions with like denominators, using the signs $<$, $>$, and $=$.
- f. Know and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$.
- g. Read and write decimals to the hundredths.

III. Money

- a. Write amounts of money using \$ and ¢ signs, and the decimal point.
- b. Make change, using as few coins as possible.
- c. Add and subtract amounts of money.
- d. Multiply and divide amounts of money by small whole numbers.

IV. Addition

- a. Review and Practice Basic Addition Facts.
- b. Mentally Estimate a Sum.
- c. Use Mental Computation Strategies.
- d. Addition With and Without Regrouping: Find the Sum (Up To 10,000) Of Any Two Whole Numbers.

V. Subtraction

- a. Understand Addition and Subtraction as Inverse Operations; Use Addition to Check Subtraction.
- b. Review and Practice Basic Subtraction Facts.
- c. Mentally Estimate the Difference.
- d. Use Mental Computation Strategies.
- e. Subtraction With and Without Regrouping: Given Two Whole Numbers Of 10,000 Or Less, Find the Difference.

VI. Multiplication

- a. Master basic multiplication facts to 10×10 .
- b. Mentally multiply, by 10, 100, and 1,000.

- c. Multiply two whole numbers, with and without regrouping, in which one factor is 9 or less and the other is a multi-digit number up to three digits.
- d. Write numbers in expanded form using multiplication, for example: $9,278 = (9 \times 1,000) + (2 \times 100) + (7 \times 10) + 8$.
- e. Estimate a product.
- f. Solve word problems involving multiplication.

VII. Division

- a. Understand Multiplication and Division as Inverse Operations.
- b. Know the Meaning of Dividend, Divisor, And Quotient.
- c. Know Basic Division Facts To $100 \div 10$.
- d. Know That Any Number Divided By 1 = That Number.
- e. Divide Two- And Three-Digit Dividends by One-Digit Divisors.
- f. Solve Division Problems with Remainders.
- g. Check Division by Multiplying (And Adding Remainder).

VIII. Solving Problems and Equations

- a. Solve two-step word problems.
- b. Solve equations in the form of $__ \times 9 = 63$; $81 \div __ = 9$.
- c. Solve problems with more than one operation, as in $(43 - 32) \times (5 + 3) = __$.
- d. Read and write expressions that use parentheses to indicate order of multiple operations.

IX. Measurement

- a. Linear Measure
 - i. Make linear measurements in yards, feet, and inches; and, in centimeters and meters.
 - ii. Know that one foot = 12 inches; one yard = 36 inches; 3 feet = 1 yard;
- b. 1 meter = 100 centimeters; 1 meter is a little more than one yard.
 - i. Measure and draw line segments in inches (to $\frac{1}{4}$ inch), and in centimeters.
 - ii. Estimate linear measurements, then measure to check estimates.
- c. Weight
 - i. Compare weights of objects using a balance scale.
 - ii. Estimate and measure weight in pounds and ounces; grams and kilograms.
 - iii. Know abbreviations: lb., oz., g, kg
- d. Capacity (Volume)
 - i. Estimate and Measure Liquid Capacity In Cups, Pints, Quarts, Gallons, And Liters.
 - ii. Know That 1 Quart = 2 Pints; 1 Gallon = 4 Quarts.
 - iii. Compare U.S. And Metric Liquid Volumes: Quart and Liter (One Liter Is A Little More Than One Quart).
- e. Temperature
 - i. Measure and Record Temperature In Degrees Fahrenheit And Celsius.
 - ii. Know the Degree Sign: $^{\circ}$
 - iii. Identify Freezing Point of Water As $32^{\circ} \text{F} = 0^{\circ} \text{C}$.
- f. Time
 - i. Read A Clock Face and Tell Time To The Minute As Either A. m. or p.m.; tell time in terms of both "minutes before" and "minutes after" the hour.
 - ii. Solve problems on elapsed time (how much time has passed?).
 - iii. Using a calendar, identify the date, day of the week, month, and year.
 - iv. Write the date using words (for name of month) and numbers, and only numbers.

X. Geometry

- a. Identify lines as horizontal, vertical, perpendicular, or parallel.

- b. Name lines and line segments (for example, line AB; segment CD).
- c. Polygons: recognize vertex (plural: vertices); identify sides as line segments (for example, side CD); identify pentagon, hexagon, and octagon (regular).
- d. Identify angles by letter names (for example, \angle A B C) ; identify a right angle; know that there are four right angles in a square or rectangle.
- e. Compute area in square inches (in ²) and square centimeters (cm ²).
- f. Recognize and draw congruent figures; identify a line of symmetry and create symmetric figures.
- g. Identify solid figures: sphere, cube, rectangular solid, pyramid, cone, cylinder.

FOURTH GRADE

I. Numbers and Number Sense

- a. Read and write numbers (in digits and words) up to nine digits.
- b. Recognize place value up to hundred millions.
- c. Order and compare numbers to 999,999,999 using the signs $<$, $>$, and $=$.
- d. Write numbers in expanded form.
- e. Use a number line; locate positive and negative whole numbers on a number line.
- f. Round to the nearest ten; to the nearest hundred; to the nearest thousand.
- g. Identify perfect squares (and square roots) to 144; recognize the square root sign: $\sqrt{\quad}$
- h. Identify Roman numerals from 1 to 1,000 (I - M), and identify years as written in Roman numerals.
- i. Create and interpret bar graphs and line graphs.
- j. Plot points on a coordinate plane (grid), using ordered pairs of positive whole numbers.
- k. Know the meanings of multiple, factor, prime number, and composite number.

II. Fractions and Decimals

- a. Fractions
 - i. Recognize fractions to one-twelfth.
 - ii. Identify numerator and denominator.
 - iii. Write mixed numbers; change improper fractions to mixed numbers and vice versa.
 - iv. Recognize equivalent fractions (for example, $\frac{1}{2} = \frac{63}{126}$).
 - v. Put fractions in lowest terms.
 - vi. Rename fractions with unlike denominators to fractions with common denominators.
 - vii. Compare fractions with like and unlike denominators, using the signs $<$, $>$, and $=$.
 - viii. Solve problems in the form of $23 \div 12 = ?$.
 - ix. Add and subtract fractions with like denominators.
 - x. Express simple outcomes as fractions (for example, 3 out of 4 as $\frac{3}{4}$).
- b. Decimals
 - i. Read and write decimals to the nearest thousandth.
 - ii. Read and write decimals as fractions (for example, $0.39 = \frac{39}{100}$).
 - iii. Write decimal equivalents for halves, quarters, eighths, and tenths.
 - iv. Compare fractions to decimals using the signs $<$, $>$, and $=$.
 - v. Write decimals in expanded form.
 - vi. Round decimals to the nearest tenth; to the nearest hundredth.
 - vii. Compare decimals, using the signs $<$, $>$, and $=$.
 - viii. Read and write decimals on a number line.
 - ix. Add and subtract with decimal numbers to two places.

III. Money

- a. Solve problems involving making change in amounts up to \$100.00.
- b. Solve multiplication and division problems with money.

IV. Computation

- a. Multiplication
 - i. Review and reinforce basic multiplication facts to 10×10 .
 - ii. Mentally multiply by 10, 100, and 1,000.

- iii. Identify multiples of a given number; common multiples of two given numbers.
 - iv. Multiply by two-digit and three-digit numbers.
 - v. Write numbers in expanded form using multiplication.
 - vi. Estimate a product.
 - vii. Use mental computation strategies for multiplication, such as breaking a problem into partial products, for example: $3 \times 27 = (3 \times 20) + (3 \times 7) = 60 + 21 = 81$.
 - viii. Check multiplication by changing the order of the factors.
 - ix. Multiply three factors in any given order.
 - x. Solve word problems involving multiplication.
- b. Division
- i. Understand multiplication and division as inverse operations.
 - ii. Review the meaning of dividend, divisor, and quotient.
 - iii. Review and reinforce basic division facts to $100 \div 10$. $\underline{\quad}$
 - iv. Identify different ways of writing division problems: $28 \div 7$ $7 \overline{)28}$ $28/7$
 - v. Identify factors of a given number; common factors of two given numbers.
 - vi. Review: you cannot divide by 0; any number divided by 1 = that number.
 - vii. Estimate the quotient.
 - viii. Divide dividends up to four-digits by one-digit and two-digit divisors.
 - ix. Solve division problems with remainders.
 - x. Check division by multiplying (and adding remainder).
- c. Solving Problems and Equations
- i. Solve two-step word problems.
 - ii. Solve equations in the form of $\underline{\quad} \times 9 = 63$; $81 \div \underline{\quad} = 9$.
 - iii. Solve problems with more than one operation, as in $(72 \div 9) \times (36 \div 4) = \underline{\quad}$
 - iv. Equality properties Know that equals added to equals are equal. Know that equals multiplied by equals are equal.
 - v. Use letters to stand for any number, as in working with a formula (for example, area of rectangle: $A = L \times W$).

V. Measurement

- a. Linear measure: estimate and make linear measurements in yards, feet, and inches (to $1/8$ in.); and in meters, centimeters, and millimeters.
- b. Weight: estimate and measure weight in pounds and ounces; grams and kilograms.
- c. Capacity (volume): estimate and measure liquid capacity in teaspoons, tablespoons, cups, pints, quarts, gallons; and in milliliters and liters.
- d. Know the following equivalences among U. S. customary units of measurement and solve problems involving changing units of measurement.
- e. Linear measure
 - i. 1 ft. = 12 in.
 - ii. 1 yd. = 3 ft. = 36 in.
 - iii. 1 mi. = 5,280 ft.
 - iv. 1 mi. = 1,760 yd.
- f. Weight
 - i. 1 lb. = 16 oz.
 - ii. 1 ton = 2,000 lb.
- g. Capacity (volume)
 - i. 1 cup = 8 fl. oz. (fluid ounces)
 - ii. 1 pt. = 2 c.
 - iii. 1 qt. = 2 pt.
 - iv. 1 gal. = 4 qt.

- h. Know the following equivalences among metric units of measurement, and solve problems involving changing units of measurement:
- i. Linear measure
 1. 1 cm = 10 mm (millimeters)
 2. 1 m = 1,000 mm
 3. 1 m = 100 cm
 4. 1 km = 1,000 m
 - ii. Mass
 1. 1 cg (centigram) = 10 mg (milligrams)
 2. 1 g = 1,000 mg
 3. 1 g = 100 cg
 4. 1 kg = 1,000 g
 - iii. Capacity (volume)
 1. 1 cl (centiliter) = 10 ml (milliliters)
 2. 1 liter = 1,000 ml
 3. 1 liter = 100 cl
- i. Time: solve problems on elapsed time.

VI. **Geometry**

- a. Identify and draw points, segments, rays, lines.
- b. Identify and draw lines: horizontal; vertical; perpendicular; parallel; intersecting.
- c. Identify angles; identify angles as right, acute, or obtuse.
- d. Identify polygons: Triangle, quadrilateral, pentagon, hexagon, and octagon (regular)
- e. Parallelogram, trapezoid, rectangle, square
 - i. Identify and draw diagonals of quadrilaterals.
 - ii. Circles: Identify radius (plural: radii) and diameter; radius = $\frac{1}{2}$ diameter
 - iii. Recognize similar and congruent figures.
 - iv. Know the formula for the area of a rectangle (Area = length x width) and solve problems involving finding area in a variety of square units (such as mi²; yd²; ft²; in²; km²; m²; cm²; mm²) • Compute volume of rectangular prisms in cubic units (cm³, in³).