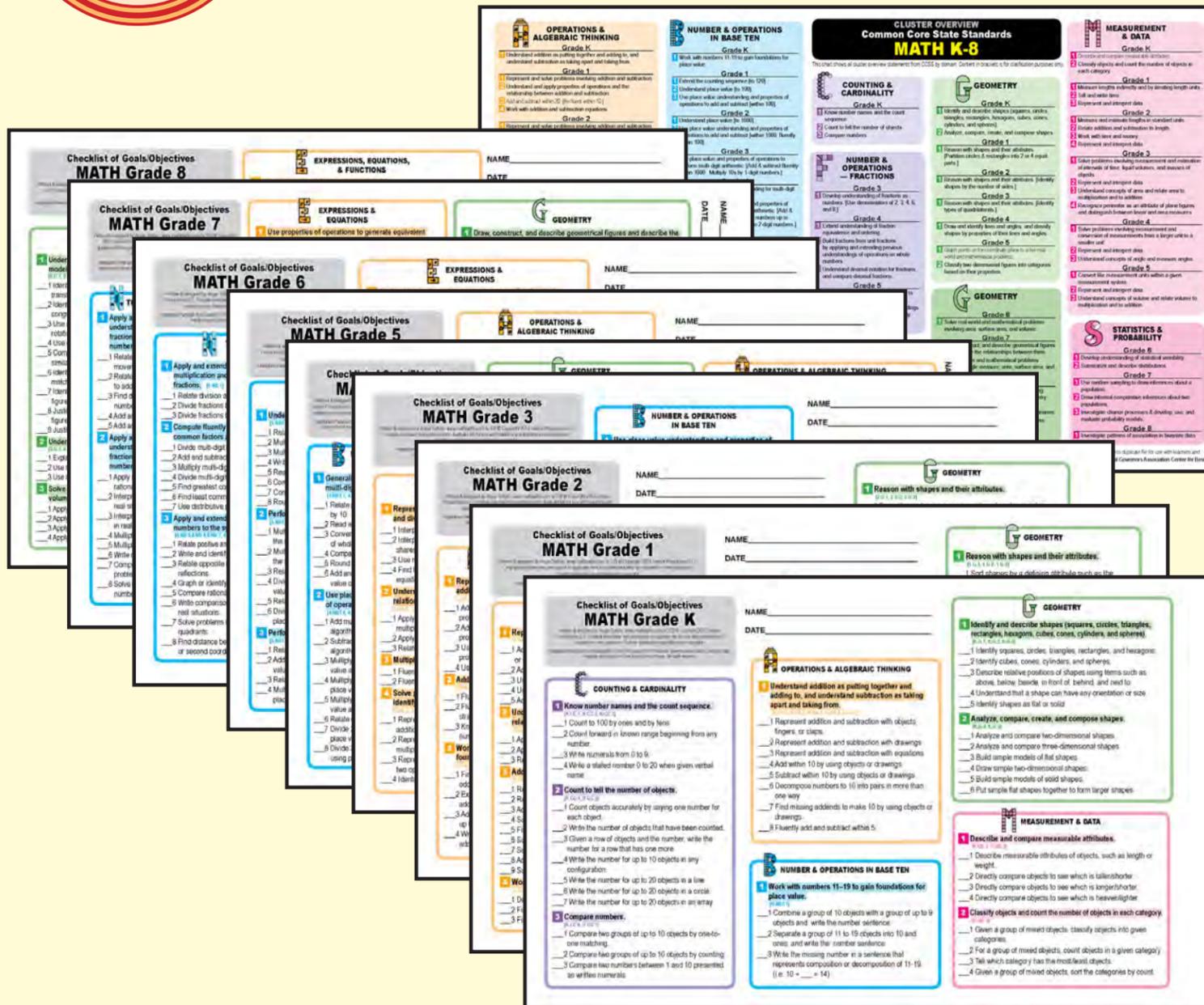




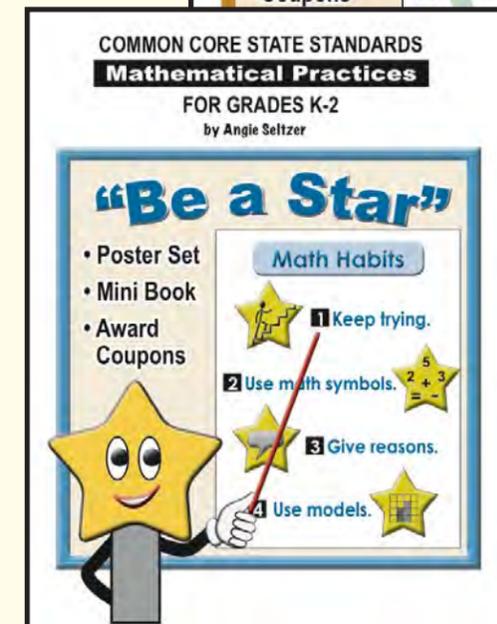
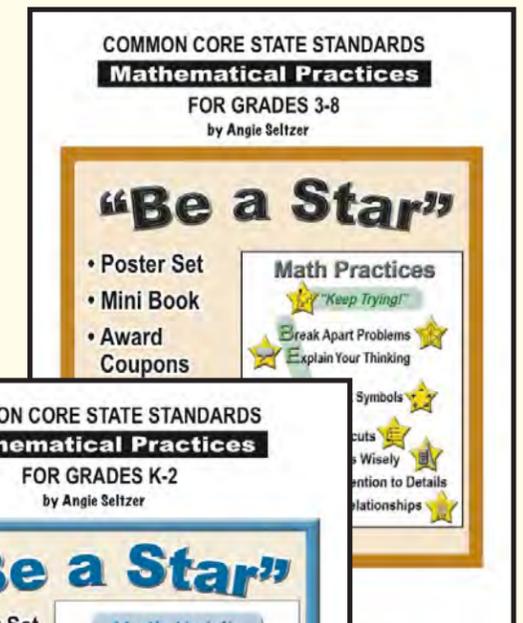
Grades K-8 Math Checklist Posters

Color-Coded Cluster Overview and Yearly Goals



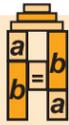
About the Standards for Mathematical Practices

Practice standards should be taught along with the content standards. Each product shown at the right, available separately, includes a set of posters that make it easy to emphasize practice standards in grades K-8.



Written & Designed by Angie Seltzer

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OPERATIONS & ALGEBRAIC THINKING

Grade K

- 1 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

Grade 1

- 1 Represent and solve problems involving addition and subtraction.
- 2 Understand and apply properties of operations and the relationship between addition and subtraction.
- 3 Add and subtract within 20. [Be fluent within 10.]
- 4 Work with addition and subtraction equations.

Grade 2

- 1 Represent and solve problems involving addition and subtraction.
- 2 Add and subtract [fluently] within 20.
- 3 Work with equal groups of objects to gain foundations for multiplication.

Grade 3

- 1 Represent and solve problems involving multiplication and division.
- 2 Understand properties of multiplication and the relationship between multiplication and division.
- 3 Multiply and divide within 100.
- 4 Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Grade 4

- 1 Use the four operations with whole numbers to solve problems.
- 2 Gain familiarity with factors and multiples.
- 3 Generate and analyze patterns.

Grade 5

- 1 Write and interpret numerical expressions.
- 2 Analyze patterns and relationships.



EXPRESSIONS & EQUATIONS

Grade 6

- 1 Apply and extend previous understandings of arithmetic to algebraic expressions.
- 2 Reason about and solve one-variable equations and inequalities.
- 3 Represent and analyze quantitative relationships between dependent and independent variables.

Grade 7

- 1 Use properties of operations to generate equivalent expressions.
- 2 Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Grade 8 (Includes Functions Domain)

- 1 Work with radicals and integer exponents.
- 2 Understand the connections between proportional relationships, lines, and linear equations.
- 3 Analyze and solve linear equations and pairs of simultaneous linear equations.
- 4 **FUNCTIONS** Define, evaluate, and compare functions.
- 5 **FUNCTIONS** Use functions to model relationships between quantities.



NUMBER & OPERATIONS IN BASE TEN

Grade K

- 1 Work with numbers 11-19 to gain foundations for place value.

Grade 1

- 1 Extend the counting sequence [to 120].
- 2 Understand place value [to 100].
- 3 Use place value understanding and properties of operations to add and subtract [within 100].

Grade 2

- 1 Understand place value [to 1000].
- 2 Use place value understanding and properties of operations to add and subtract [within 1000, fluently within 100].

Grade 3

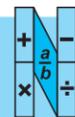
- 1 Use place value and properties of operations to perform multi-digit arithmetic. [Add & subtract fluently within 1000. Multiply 10s by 1-digit numbers.]

Grade 4

- 1 Generalize place value understanding for multi-digit whole numbers [to 1,000,000].
- 2 Use place value understanding and properties of operations to perform multi-digit arithmetic. [Add & subtract fluently. Multiply & divide numbers up to 4-digits by 1-digit, and multiply two 2-digit numbers.]

Grade 5

- 1 Understand the place value system.
- 2* Perform operations with multi-digit whole numbers. [Divide by 2-digit numbers. Fluently add, subtract, multiply.]
- 3* Perform operations with decimals to hundredths.



THE NUMBER SYSTEM

Grade 6

- 1 Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- 2 Compute fluently [all operations] with multi-digit numbers and find common factors and multiples.
- 3 Apply and extend previous understandings of numbers to the system of rational numbers.

Grade 7

- 1* Apply and extend previous understandings of operations with fractions to add and subtract rational numbers.
- 2* Apply and extend previous understandings of operations with fractions to multiply and divide rational numbers.

Grade 8

- 1 Know that there are numbers that are not rational, and approximate them by rational numbers.

*The CCSS cluster statement was rewritten as two statements.

CLUSTER OVERVIEW Common Core State Standards MATH K-8

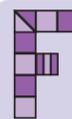
This chart shows all cluster overview statements from CCSS by domain. Content in brackets is for clarification purposes only.



COUNTING & CARDINALITY

Grade K

- 1 Know number names and the count sequence.
- 2 Count to tell the number of objects.
- 3 Compare numbers.



NUMBER & OPERATIONS — FRACTIONS

Grade 3

- 1 Develop understanding of fractions as numbers. [Use denominators of 2, 3, 4, 6, and 8.]

Grade 4

- 1 Extend understanding of fraction equivalence and ordering.
- 2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- 3 Understand decimal notation for fractions, and compare decimal fractions.

Grade 5

- 1 Use equivalent fractions as a strategy to add and subtract fractions.
- 2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions.



RATIOS & PROPORTIONAL RELATIONSHIPS

Grade 6

- 1 Understand ratio concepts and use ratio reasoning [and percents] to solve problems.

Grade 7

- 1* Analyze proportional relationships and use them to solve real-world and mathematical problems.
- 2* Solve multistep percent problems.



GEOMETRY

Grade K

- 1 Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).
- 2 Analyze, compare, create, and compose shapes.

Grade 1

- 1 Reason with shapes and their attributes. [Partition circles & rectangles into 2 or 4 equal parts.]

Grade 2

- 1 Reason with shapes and their attributes. [Identify shapes by the number of sides.]

Grade 3

- 1 Reason with shapes and their attributes. [Identify types of quadrilaterals.]

Grade 4

- 1 Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

Grade 5

- 1 Graph points on the coordinate plane to solve real-world and mathematical problems.
- 2 Classify two-dimensional figures into categories based on their properties.



GEOMETRY

Grade 6

- 1 Solve real-world and mathematical problems involving area, surface area, and volume.

Grade 7

- 1 Draw, construct, and describe geometrical figures and describe the relationships between them.
- 2 Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

Grade 8

- 1 Understand congruence and similarity using physical models, transparencies, or geometry software.
- 2 Understand and apply the Pythagorean Theorem.
- 3 Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.



MEASUREMENT & DATA

Grade K

- 1 Describe and compare measurable attributes.
- 2 Classify objects and count the number of objects in each category.

Grade 1

- 1 Measure lengths indirectly and by iterating length units.
- 2 Tell and write time.
- 3 Represent and interpret data.

Grade 2

- 1 Measure and estimate lengths in standard units.
- 2 Relate addition and subtraction to length.
- 3 Work with time and money.
- 4 Represent and interpret data.

Grade 3

- 1 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- 2 Represent and interpret data.
- 3 Understand concepts of area and relate area to multiplication and to addition.
- 4 Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Grade 4

- 1 Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- 2 Represent and interpret data.
- 3 Understand concepts of angle and measure angles.

Grade 5

- 1 Convert like measurement units within a given measurement system.
- 2 Represent and interpret data.
- 3 Understand concepts of volume and relate volume to multiplication and to addition.



STATISTICS & PROBABILITY

Grade 6

- 1 Develop understanding of statistical variability.
- 2 Summarize and describe distributions.

Grade 7

- 1 Use random sampling to draw inferences about a population.
- 2 Draw informal comparative inferences about two populations.
- 3 Investigate chance processes & develop, use, and evaluate probability models.

Grade 8

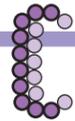
- 1 Investigate patterns of association in bivariate data.

Checklist of Goals/Objectives

MATH Grade K

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COUNTING & CARDINALITY

1 Know number names and the count sequence.

[K.CC.1, K.CC.2, K.CC.3]

- ___ 1 Count to 100 by ones and by tens.
- ___ 2 Count forward in known range beginning from any number.
- ___ 3 Write numerals from 0 to 9.
- ___ 4 Write a stated number 0 to 20 when given verbal name.

2 Count to tell the number of objects.

[K.CC.4, K.CC.5]

- ___ 1 Count objects accurately by saying one number for each object.
- ___ 2 Write the number of objects that have been counted.
- ___ 3 Given a row of objects and the number, write the number for a row that has one more.
- ___ 4 Write the number for up to 10 objects in any configuration.
- ___ 5 Write the number for up to 20 objects in a line.
- ___ 6 Write the number for up to 20 objects in a circle.
- ___ 7 Write the number for up to 20 objects in an array.

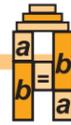
3 Compare numbers.

[K.CC.6, K.CC.7]

- ___ 1 Compare two groups of up to 10 objects by one-to-one matching.
- ___ 2 Compare two groups of up to 10 objects by counting.
- ___ 3 Compare two numbers between 1 and 10 presented as written numerals.

NAME _____

DATE _____



OPERATIONS & ALGEBRAIC THINKING

1 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

[K.OA.1, K.OA.2, K.OA.3, K.OA.4, K.OA.5]

- ___ 1 Represent addition and subtraction with objects, fingers, or claps.
- ___ 2 Represent addition and subtraction with drawings.
- ___ 3 Represent addition and subtraction with equations.
- ___ 4 Add within 10 by using objects or drawings.
- ___ 5 Subtract within 10 by using objects or drawings.
- ___ 6 Decompose numbers to 10 into pairs in more than one way.
- ___ 7 Find missing addends to make 10 by using objects or drawings.
- ___ 8 Fluently add and subtract within 5.



NUMBER & OPERATIONS IN BASE TEN

1 Work with numbers 11–19 to gain foundations for place value.

[K.NBT.1]

- ___ 1 Combine a group of 10 objects with a group of up to 9 objects and write the number sentence.
- ___ 2 Separate a group of 11 to 19 objects into 10 and ones, and write the number sentence.
- ___ 3 Write the missing number in a sentence that represents composition or decomposition of 11-19. (i.e. $10 + \underline{\quad} = 14$)



GEOMETRY

1 Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

[K.G.1, K.G.2, K.G.3]

- ___ 1 Identify squares, circles, triangles, rectangles, and hexagons.
- ___ 2 Identify cubes, cones, cylinders, and spheres.
- ___ 3 Describe relative positions of shapes using terms such as above, below, beside, in front of, behind, and next to.
- ___ 4 Understand that a shape can have any orientation or size.
- ___ 5 Identify shapes as flat or solid.

2 Analyze, compare, create, and compose shapes.

[K.G.4, K.G.5]

- ___ 1 Analyze and compare two-dimensional shapes.
- ___ 2 Analyze and compare three-dimensional shapes.
- ___ 3 Build simple models of flat shapes.
- ___ 4 Draw simple two-dimensional shapes.
- ___ 5 Build simple models of solid shapes.
- ___ 6 Put simple flat shapes together to form larger shapes.



MEASUREMENT & DATA

1 Describe and compare measurable attributes.

[K.MD.1, K.MD.2]

- ___ 1 Describe measurable attributes of objects, such as length or weight.
- ___ 2 Directly compare objects to see which is taller/shorter.
- ___ 3 Directly compare objects to see which is longer/shorter.
- ___ 4 Directly compare objects to see which is heavier/lighter.

2 Classify objects and count the number of objects in each category.

[K.MD.3]

- ___ 1 Given a group of mixed objects, classify objects into given categories.
- ___ 2 For a group of mixed objects, count objects in a given category.
- ___ 3 Tell which category has the most/least objects.
- ___ 4 Given a group of mixed objects, sort the categories by count.

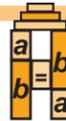
Checklist of Goals/Objectives

MATH Grade 1

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OPERATIONS & ALGEBRAIC THINKING

1 Represent and solve problems involving addition and subtraction.

[1.OA.1, 1.OA.2]

- ___ 1 Add and subtract within 20 to solve word problems about combining or separating.
- ___ 2 Add and subtract within 20 to solve word problems about comparing.
- ___ 3 Use objects or drawings to represent word problems.
- ___ 4 Use equations to represent word problems.
- ___ 5 Add three numbers with sums to 20 to solve word problems.

2 Understand and apply properties of operations and the relationship between addition and subtraction.

[1.OA.3, 1.OA.4]

- ___ 1 Apply the commutative property for addition.
- ___ 2 Apply the associative property when adding three numbers.
- ___ 3 Relate subtraction to finding a missing addend.

3 Add and subtract within 20.

[1.OA.5, 1.OA.6]

- ___ 1 Relate counting on or back to adding or subtracting 1 or 2.
- ___ 2 Relate counting on or back to adding or subtracting 3.
- ___ 3 Add fluently within 10.
- ___ 4 Subtract fluently within 10.
- ___ 5 Find sums greater than 10 by decomposing to make 10.
- ___ 6 Subtract from numbers greater than 10 by decomposing to make 10.
- ___ 7 Subtract by recalling addition facts.
- ___ 8 Add within 20 (using various strategies).
- ___ 9 Subtract within 20 (using various strategies).

4 Work with addition and subtraction equations.

[1.OA.7, 1.OA.8]

- ___ 1 Determine if equations involving addition and/or subtraction are true or false.
- ___ 2 Find a missing number in an addition equation.
- ___ 3 Find a missing number in a subtraction equation.

NAME _____

DATE _____



NUMBER & OPERATIONS IN BASE TEN

1 Extend the counting sequence.

[1.NBT.1]

- ___ 1 Count to 120, starting at any number less than 120.
- ___ 2 Read and write numbers to 120.
- ___ 3 Represent a number of objects to 120 with a written numeral.

2 Understand place value.

[1.NBT.2, 1.NBT.3]

- ___ 1 Understand that the two digits of a two-digit number represent amounts of tens and ones.
- ___ 2 Understand how to represent numbers from 11 to 19 as a 10 and ones.
- ___ 3 Understand that 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to tens with no ones.
- ___ 4 Compare numbers to 20 using the symbols $>$, $=$, and $<$.
- ___ 5 Compare two 2-digit numbers using the symbols $>$, $=$, and $<$.

3 Use place value understanding and properties of operations to add and subtract.

[1.NBT.4, 1.NBT.5, 1.NBT.6]

- ___ 1 Add within 100 using models or drawings.
- ___ 2 Add a two-digit number and a one-digit number.
- ___ 3 Add a two-digit number and a multiple of 10.
- ___ 4 Add two two-digit numbers, with or without composing a ten.
- ___ 5 Mentally find 10 more or 10 less than any two-digit number.
- ___ 6 Subtract with multiples of 10 using models or drawings.
- ___ 7 Subtract with multiples of 10 using place value.
- ___ 8 Subtract with multiples of 10 by relating to addition.



GEOMETRY

1 Reason with shapes and their attributes.

[1.G.1, 1.G.2, 1.G.3]

- ___ 1 Sort shapes by a defining attribute such as the number of sides.
- ___ 2 Draw shapes with a given defining attribute.
- ___ 3 Combine two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) to create a composite shape.
- ___ 4 Combine three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape.
- ___ 5 Partition circles and rectangles into two and four equal shares.
- ___ 6 Describe shares of wholes using the words halves, fourths, and quarters.



MEASUREMENT & DATA

1 Measure lengths indirectly and by iterating length units.

[1.MD.1, 1.MD.2]

- ___ 1 Order three objects by length.
- ___ 2 Compare the lengths of two objects indirectly by using a third object.
- ___ 3 Repeat a short object end-to-end to measure a longer object.
- ___ 4 When measuring, know that there cannot be gaps or overlaps.

2 Tell and write time.

[1.MD.3]

- ___ 1 Tell and write time in hours using analog clocks.
- ___ 2 Tell and write time in half-hours using analog clocks.
- ___ 3 Tell and write time in hours and half-hours using digital clocks.

3 Represent and interpret data.

[1.MD.4]

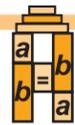
- ___ 1 Organize and represent data with up to three categories.
- ___ 2 Interpret data with up to three categories.

Checklist of Goals/Objectives

MATH Grade 2

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OPERATIONS & ALGEBRAIC THINKING

1 Represent and solve problems involving addition and subtraction.

[2.OA.1]

- ___ 1 Add and subtract within 100 to solve word problems about combining or separating.
- ___ 2 Add and subtract within 100 to solve word problems about comparing.
- ___ 3 Use objects or drawings to represent word problems.
- ___ 4 Use equations to represent word problems.

2 Add and subtract within 20.

[2.OA.2]

- ___ 1 Fluently add within 20 using mental strategies.
- ___ 2 Fluently subtract within 20 using mental strategies.
- ___ 3 Know from memory all sums of two one-digit numbers.

3 Work with equal groups of objects to gain foundations for multiplication.

[2.OA.3, 2.OA.4]

- ___ 1 Find out if a group of up to 20 objects is even or odd.
- ___ 2 Express an even number as a sum of two equal addends.
- ___ 3 Add to find the number shown by an array with up to 5 rows and 5 columns.
- ___ 4 Write an equation for an array as a sum of equal addends.

NAME _____

DATE _____



NUMBER & OPERATIONS IN BASE TEN

1 Understand place value.

[2.NBT.1, 2.NBT.2, 2.NBT.3, 2.NBT.4]

- ___ 1 Understand that a three-digit number represents hundreds, tens, and ones.
- ___ 2 Understand that a hundred is 10 tens.
- ___ 3 Understand that 100, 200, and so on refer to hundreds with 0 tens and 0 ones.
- ___ 4 Count by 5s, 10s, and 100s within 1000.
- ___ 5 Read and write numbers to 1000.
- ___ 6 Represent numbers to 1000 as written numerals.
- ___ 7 Write numbers to 1000 in expanded form.
- ___ 8 Compare two 3-digit numbers using the symbols $>$, $=$, and $<$.

2 Use place value understanding and properties of operations to add and subtract.

[2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.8, 2.NBT.9]

- ___ 1 Fluently add within 100 using various strategies.
- ___ 2 Fluently subtract within 100 using various strategies.
- ___ 3 Add up to four 2-digit numbers using various strategies.
- ___ 4 Add within 1000 using models or drawings.
- ___ 5 Add within 1000 using place value strategies.
- ___ 6 Subtract within 1000 using models or drawings.
- ___ 7 Subtract within 1000 using place value strategies.
- ___ 8 Mentally find 10 or 100 more or less than any three-digit number.
- ___ 9 Explain why addition and subtraction strategies work.



GEOMETRY

1 Reason with shapes and their attributes.

[2.G.1, 2.G.2, 2.G.3]

- ___ 1 Draw shapes having a given number of angles or sides.
- ___ 2 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.
- ___ 3 Partition a rectangle into squares and count the squares.
- ___ 4 Partition circles and rectangles into two, three, or four equal shares.
- ___ 5 Describe shares using the words halves, thirds, half of, a third of, etc.
- ___ 6 Recognize that equal shares need not have the same shape.



MEASUREMENT & DATA

1 Measure and estimate lengths in standard units.

[2.MD.1, 2.MD.2, 2.MD.3, 2.MD.4]

- ___ 1 Measure in inches, feet, centimeters, and meters.
- ___ 2 Measure an object with two units and relate the measurements to the unit size.
- ___ 3 Estimate lengths in inches, feet, centimeters, and meters.
- ___ 4 Measure to find out how much longer one object is than another.

2 Relate addition and subtraction to length.

[2.MD.5, 2.MD.6]

- ___ 1 Use drawings and equations to solve word problems involving lengths.
- ___ 2 Represent sums and differences within 100 on a number line diagram.

3 Work with time and money.

[2.MD.7, 2.MD.8]

- ___ 1 Tell and write time to the nearest five minutes.
- ___ 2 Write times using a.m. and p.m.
- ___ 3 Solve word problems involving dollar bills and coins, using \$ and ¢ symbols.

4 Represent and interpret data.

[2.MD.9, 2.MD.10]

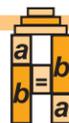
- ___ 1 Make a line plot of measurement data, measured to nearest whole unit.
- ___ 2 Draw a bar graph with up to four categories.
- ___ 3 Draw a picture graph with up to four categories.
- ___ 4 Add or subtract to solve problems about data presented in a bar graph.

Checklist of Goals/Objectives

MATH Grade 3

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OPERATIONS & ALGEBRAIC THINKING

1 Represent and solve problems involving multiplication and division. [3.OA.1, 3.OA.2, 3.OA.3, 3.OA.4]

- ___ 1 Interpret multiplication as the total of equal groups.
- ___ 2 Interpret division as sharing equally or making equal shares.
- ___ 3 Use multiplication and division to solve word problems.
- ___ 4 Find the missing number in a multiplication or division equation.

2 Understand properties of multiplication and the relationship between multiplication and division. [3.OA.5, 3.OA.6]

- ___ 1 Apply the commutative and associative properties for multiplication.
- ___ 2 Apply the distributive property when learning basic facts.
- ___ 3 Relate division to finding a missing factor.

3 Multiply and divide within 100. [3.OA.7]

- ___ 1 Fluently multiply to find products of two one-digit numbers.
- ___ 2 Fluently divide numbers to 100 by one-digit numbers.

4 Solve problems involving the four operations, and identify and explain patterns in arithmetic. [3.OA.8, 3.OA.9]

- ___ 1 Represent and solve two-step word problems using addition and/or subtraction.
- ___ 2 Represent and solve two-step word problems using multiplication and/or division.
- ___ 3 Represent and solve two-step word problems using any two operations.
- ___ 4 Identify and explain arithmetic patterns.



NUMBER & OPERATIONS IN BASE TEN

1 Use place value understanding and properties of operations to perform multi-digit arithmetic. [3.NBT.1, 3.NBT.2, 3.NBT.3]

- ___ 1 Round numbers to the nearest 10 or 100.
- ___ 2 Fluently add numbers with sums to 1000.
- ___ 3 Fluently subtract from numbers to 1000.
- ___ 4 Subtract by relating to addition.
- ___ 5 Multiply one-digit numbers by multiples of 10 up to 90.



NUMBER & OPERATIONS WITH FRACTIONS

1 Develop understanding of fractions as numbers. [Use denominators of 2, 3, 4, 6, and 8.] [3.NF.1, 3.NF.2, 3.NF.3]

- ___ 1 Write a fraction to represent one or more equal parts of a whole unit.
- ___ 2 Write fractions to represent lengths of intervals on a number line.
- ___ 3 Write fractions to represent locations on a number line.
- ___ 4 Recognize that equivalent fractions are the same size.
- ___ 5 Recognize and generate simple equivalent fractions.
- ___ 6 Recognize fractions equivalent to whole numbers.
- ___ 7 Compare two fractions with the same numerator or denominator.



GEOMETRY

1 Reason with shapes and their attributes. [3.G.1, 3.G.2]

- ___ 1 Categorize quadrilaterals including rhombuses, rectangles, and squares by their attributes.
- ___ 2 Partition shapes into parts with equal areas to represent unit fractions.

NAME _____

DATE _____



MEASUREMENT & DATA

1 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. [3.MD.1, 3.MD.2]

- ___ 1 Write time to the nearest minute.
- ___ 2 Measure time intervals in minutes.
- ___ 3 Solve word problems involving time intervals.
- ___ 4 Measure and estimate liquid volume in liters.
- ___ 5 Solve word problems involving liquid volume.
- ___ 6 Measure and estimate mass in grams and kilograms.
- ___ 7 Solve word problems involving mass.

2 Represent and interpret data. [3.MD.3, 3.MD.4]

- ___ 1 Draw a bar graph using an appropriate scale.
- ___ 2 Solve problems using information from graphs.
- ___ 3 Make line plots of data measured using rulers to 1/4 inch.

3 Understand concepts of area and relate area to multiplication and to addition. [3.MD.5, 3.MD.6, 3.MD.7]

- ___ 1 Understand that area is measured in square units.
- ___ 2 Count unit squares to measure area.
- ___ 3 Relate area of a rectangle to multiplication.
- ___ 4 Solve real-world problems involving area.
- ___ 5 Represent products as rectangular areas.
- ___ 6 Use area models to represent the distributive property.
- ___ 7 Find areas by decomposing figures to make rectangles.

4 Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. [3.MD.8]

- ___ 1 Find the perimeter of a polygon.
- ___ 2 Find an unknown side length in a polygon.
- ___ 3 Compare perimeters of two rectangles with the same area.
- ___ 4 Compare areas of two rectangles with the same perimeter.

Checklist of Goals/Objectives

MATH Grade 4

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NUMBER & OPERATIONS IN BASE TEN

1 Generalize place value understanding for multi-digit whole numbers.

[4.NBT.1, 4.NBT.2, 4.NBT.3]

- ___ 1 Relate place value to multiplication and division by 10.
- ___ 2 Read and write numbers to 1 million.
- ___ 3 Convert between standard and expanded forms of whole numbers.
- ___ 4 Compare whole numbers up to 1 million.
- ___ 5 Round multi-digit whole numbers to any place.
- ___ 6 Add and subtract whole numbers using place-value concepts.

2 Use place value understanding and properties of operations to perform multi-digit arithmetic.

[4.NBT.4, 4.NBT.5, 4.NBT.6]

- ___ 1 Add multi-digit numbers using the standard algorithm.
- ___ 2 Subtract multi-digit number using the standard algorithm.
- ___ 3 Multiply 2-digit by 1-digit numbers using place value and/or models.
- ___ 4 Multiply 3- and 4-digit by 1-digit numbers using place value and/or models.
- ___ 5 Multiply 2-digit by 2-digit numbers using place value and/or models.
- ___ 6 Relate division and multiplication.
- ___ 7 Divide 2-digit dividends by 1-digit divisors using place value and/or models.
- ___ 8 Divide 3- and 4-digit dividends by 1-digit divisors using place value and/or models.



GEOMETRY

1 Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

[4.G.1, 4.G.2]

- ___ 1 Identify and draw points, lines, and line segments.
- ___ 2 Identify and draw parallel and perpendicular lines.
- ___ 3 Identify and draw rays and acute, right, and obtuse angles.
- ___ 4 Classify and identify triangles by angles.
- ___ 5 Identify and draw lines of symmetry.



NUMBER & OPERATIONS WITH FRACTIONS

1 Extend understanding of fraction equivalence and ordering.

[4.NF.1, 4.NF.2]

- ___ 1 Identify equivalent fractions using models.
- ___ 2 Write fractions equivalent to a given fraction.
- ___ 3 Compare fractions by rewriting them with a common denominator.
- ___ 4 Compare fractions by using models.
- ___ 5 Compare fractions by comparing to benchmarks.

2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

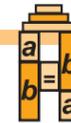
[4.NF.3, 4.NF.4]

- ___ 1 Decompose fractions and mixed numbers, and write as equations.
- ___ 2 Add and subtract fractions with like denominators.
- ___ 3 Add and subtract mixed numbers with like denominators.
- ___ 4 Add and subtract fractions to solve word problems.
- ___ 5 Decompose a non-unit fraction as a whole number times a unit fraction.
- ___ 6 Multiply fractions by whole numbers.

3 Understand decimal notation for fractions, and compare decimal fractions.

[4.NF.5, 4.NF.6, 4.NF.7]

- ___ 1 Express fractions in tenths as hundredths.
- ___ 2 Add fractions in tenths and hundredths.
- ___ 3 Convert between decimals and fractions in tenths or hundredths.
- ___ 4 Locate decimals on a number line.
- ___ 5 Compare two decimals to hundredths.



OPERATIONS & ALGEBRAIC THINKING

1 Use the four operations with whole numbers to solve problems.

[4.OA.1, 4.OA.2, 4.OA.3]

- ___ 1 Interpret multiplication as “times as many.”
- ___ 2 Distinguish multiplicative from additive comparison in word problems.
- ___ 3 Solve number sentences involving multiple operations.
- ___ 4 Solve multi-step word problems using number sentences.
- ___ 5 Interpret remainders in division problems.
- ___ 6 Estimate to assess reasonableness of answers.

2 Gain familiarity with factors and multiples. [4.OA.4]

- ___ 1 List factors pairs for numbers 1 to 100.
- ___ 2 Recognize factors and multiples.
- ___ 3 Recognize prime and composite numbers.

3 Generate and analyze patterns. [4.OA.5]

- ___ 1 Complete number patterns.
- ___ 2 Generate number or shape patterns from rules.
- ___ 3 Identify and explain features of patterns.



MEASUREMENT & DATA

1 Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

[4.MD.1, 4.MD.2, 4.MD.3]

- ___ 1 Compare measurement units and convert from larger to smaller units.
- ___ 2 Create or complete tables of equivalent measurements.
- ___ 3 Solve problems involving distance, time, and elapsed time.
- ___ 4 Solve problems involving capacity (liquid volume) and weight (mass).
- ___ 5 Solve problems involving money.
- ___ 6 Represent measurements on number line diagrams.
- ___ 7 Solve problems involving area of rectangles.
- ___ 8 Solve problems involving perimeter of rectangles.

2 Represent and interpret data. [4.MD.4]

- ___ 1 Make line plots using data including fractions.
- ___ 2 Solve problems involving data shown on a line plot.

3 Understand concepts of angle and measure angles.

[4.MD.5, 4.MD.6, 4.MD.7]

- ___ 1 Relate degrees to fractions of a circle.
- ___ 2 Measure and draw angles using a protractor.
- ___ 3 Solve problems involving angle measurements.

NAME _____

DATE _____

Checklist of Problem Types

MATH Grade 5

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NUMBER & OPERATIONS IN BASE TEN

1. Understand the place value system.

[5.NBT.1, 5.NBT.2, 5.NBT.3, 5.NBT.4]

- ___ 1 Relate place value to multiplying by 10 or 1/10.
- ___ 2 Multiply and divide whole numbers by powers of 10.
- ___ 3 Multiply and divide decimals by powers of 10.
- ___ 4 Write powers of 10 using exponents.
- ___ 5 Read and write decimals to thousandths.
- ___ 6 Convert between standard and expanded forms of decimals.
- ___ 7 Compare decimals to thousandths.
- ___ 8 Round decimals to any place.

2. Perform operations with multi-digit whole numbers.

[5.NBT.5, 5.NBT.6]

- ___ 1 Multiply whole numbers up to 4-digit by 1-digit using the standard algorithm.
- ___ 2 Multiply whole numbers up to 2-digit by 2-digit using the standard algorithm.
- ___ 3 Relate division to multiplication by multiples of 10.
- ___ 4 Divide 3-digit dividends by multiples of 10 using place value and/or models.
- ___ 5 Relate division to multiplication by 2-digit factors.
- ___ 6 Divide 3- and 4-digit dividends by 2-digit divisors using place value and/or models.

3. Perform operations with decimals to hundredths.

[5.NBT.7]

- ___ 1 Relate addition and subtraction of decimals.
- ___ 2 Add and subtract decimals to hundredths using place value and/or models.
- ___ 3 Relate multiplication and division of decimals.
- ___ 4 Multiply and divide decimals to hundredths using place value and/or models.

OPERATIONS & ALGEBRAIC THINKING

1. Write and interpret numerical expressions.

[5.OA.1, 5.OA.2]

- ___ 1 Evaluate numerical expressions with parentheses.
- ___ 2 Write and interpret numerical expressions.

2. Analyze patterns and relationships.

[5.OA.3]

- ___ 1 Write and compare two patterns given two rules.
- ___ 2 Identify features of related patterns in tables or graphs.

NUMBER & OPERATIONS WITH FRACTIONS

1. Use equivalent fractions as a strategy to add and subtract fractions.

[5.NF.1, 5.NF.2, 5.NF.3]

- ___ 1 Write equivalent fractions.
- ___ 2 Add and subtract fractions with unlike denominators.
- ___ 3 Add and subtract mixed numbers with unlike denominators.
- ___ 4 Add and subtract fractions to solve word problems.
- ___ 5 Add and subtract mixed numbers to solve word problems.
- ___ 6 Assess reasonableness of answers by using benchmarks and number sense.

2. Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

[5.NF.4, 5.NF.5, 5.NF.6, 5.NF.7]

- ___ 1 Interpret fractions as division to solve word problems.
- ___ 2 Multiply whole numbers by fractions.
- ___ 3 Represent multiplication of fractions using area models.
- ___ 4 Multiply fractions by fractions.
- ___ 5 Multiply fractions and mixed numbers to solve word problems.
- ___ 6 Divide unit fractions by whole numbers using models.
- ___ 7 Divide whole numbers by unit fractions using models.
- ___ 8 Relate division to multiplication of fractions.
- ___ 9 Divide with unit fractions and whole numbers to solve problems.

NAME _____

DATE _____

GEOMETRY

1. Graph points on the coordinate plane to solve real-world and mathematical problems.

[5.G.1, 5.G.2]

- ___ 1 Graph and identify points with positive coordinates on a coordinate system.
- ___ 2 Use coordinates (positive only) to represent and solve problems.
- ___ 3 Use coordinates to analyze geometric shapes.

2. Classify two-dimensional figures into categories based on their properties.

[5.G.3, 5.G.4]

- ___ 1 Classify and identify quadrilaterals.
- ___ 2 Recognize categories and create hierarchies of shapes.

MEASUREMENT & DATA

1. Convert like measurement units within a given measurement system.

[5.MD.1]

- ___ 1 Convert metric measurements.
- ___ 2 Convert conventional measurements.

2. Represent and interpret data.

[5.MD.2]

- ___ 1 Make line plots using data including fractions.
- ___ 2 Solve problems about line plots.

3. Understand concepts of volume and relate volume to multiplication and to addition.

[5.MD.3, 5.MD.4, 5.MD.5]

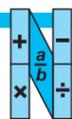
- ___ 1 Identify a cube as a unit of volume.
- ___ 2 Measure volume by counting unit cubes.
- ___ 3 Add and/or multiply to find volumes of rectangular prisms.
- ___ 4 Solve problems involving volume of rectangular prisms (with whole numbers as lengths).
- ___ 5 Solve problems involving volumes of connected prisms.

Checklist of Goals/Objectives

MATH Grade 6

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THE NUMBER SYSTEM

1 Apply and extend previous understandings of multiplication and division to divide fractions by fractions. [6.NS.1]

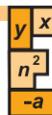
- ___ 1 Relate division and multiplication of fractions.
- ___ 2 Divide fractions by fractions using models.
- ___ 3 Divide fractions by fractions to solve problems.

2 Compute fluently with multi-digit numbers and find common factors and multiples. [6.NS.2, 6.NS.3, 6.NS.4]

- ___ 1 Divide multi-digit numbers using the standard algorithm.
- ___ 2 Add and subtract multi-digit decimals.
- ___ 3 Multiply multi-digit decimals.
- ___ 4 Divide multi-digit decimals.
- ___ 5 Find greatest common factors.
- ___ 6 Find least common multiples.
- ___ 7 Use distributive property to isolate a common factor.

3 Apply and extend previous understandings of numbers to the system of rational numbers. [6.NS.5, 6.NS.6, 6.NS.7, 6.NS.8]

- ___ 1 Relate positive and negative numbers to real situations.
- ___ 2 Write and identify opposites of integers.
- ___ 3 Relate opposite numbers in ordered pairs to reflections.
- ___ 4 Graph or identify points in four quadrants.
- ___ 5 Compare rational numbers using a number line.
- ___ 6 Write comparisons for ordering rational numbers in real situations.
- ___ 7 Solve problems involving coordinate graphs in four quadrants.
- ___ 8 Find distance between two points with the same first or second coordinate.



EXPRESSIONS & EQUATIONS

1 Apply and extend previous understandings of arithmetic to algebraic expressions. [6.EE.1, 6.EE.2, 6.EE.3, 6.EE.4]

- ___ 1 Evaluate numerical expressions that include exponents.
- ___ 2 Write or interpret simple expressions with variables.
- ___ 3 Identify parts of an expression using mathematical terms.
- ___ 4 Evaluate expressions for specific values of variables.
- ___ 5 Evaluate formulas for specific values.
- ___ 6 Write equivalent expressions using the distributive property.
- ___ 7 Identify when two expressions are equivalent.

2 Reason about and solve one-variable equations and inequalities. [6.EE.5, 6.EE.6, 6.EE.7, 6.EE.8]

- ___ 1 Use substitution to decide if a number is a solution to an equation.
- ___ 2 Use variables and expressions to represent situations.
- ___ 3 Write equations of the form $x + p = q$ to solve problems.
- ___ 4 Write equations of the form $px = q$ to solve problems.
- ___ 5 Write or interpret inequalities $x > c$ or $x < c$.
- ___ 6 Represent inequalities on number line diagrams.

3 Represent and analyze quantitative relationships between dependent and independent variables. [6.EE.9]

- ___ 1 Use two variables to represent two related quantities.
- ___ 2 Graph ordered pairs of related quantities.
- ___ 3 Write equations to describe related variables.



RATIOS & PROPORTIONAL RELATIONSHIPS

1 Understand ratio concepts and use ratio reasoning [and percents] to solve problems. [6.RP.1, 6.RP.2, 6.RP.3]

- ___ 1 Write and interpret ratios.
- ___ 2 Find unit rates related to ratios.
- ___ 3 Write equivalent ratios, including ratio tables.
- ___ 4 Use ratios to convert measurements.
- ___ 5 Plot pairs of ratios on the coordinate plane.
- ___ 6 Solve unit rate problems such as unit pricing.
- ___ 7 Write a fraction or ratio as a percent.
- ___ 8 Find a number given the part and the percent.
- ___ 9 Find a percent of a number.

NAME _____

DATE _____



GEOMETRY

1 Solve real-world and mathematical problems involving area, surface area, and volume. [6.G.1, 6.G.2, 6.G.3, 6.G.4]

- ___ 1 Find areas of triangles.
- ___ 2 Decompose and compose shapes into triangles and rectangles.
- ___ 3 Find areas of polygons.
- ___ 4 Use cubes to find volumes of prisms with fractional edge lengths.
- ___ 5 Multiply to find volumes of prisms with fractional edge lengths.
- ___ 6 Draw polygons given coordinates for the vertices.
- ___ 7 Use coordinates to calculate the length of vertical or horizontal segments.
- ___ 8 Represent 3-dimensional figures as nets.
- ___ 9 Calculate surface areas.



STATISTICS & PROBABILITY

1 Develop understanding of statistical variability. [6.SP.1, 6.SP.2, 6.SP.3, 6.SP.4]

- ___ 1 Recognize statistical questions.
- ___ 2 Describe the center, spread (range), and shape of a data set.
- ___ 3 Recognize measures of center and variation of data.
- ___ 4 Display data on a dot plot.
- ___ 5 Display data using a histogram.
- ___ 6 Display data using a box plot.

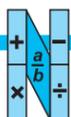
2 Summarize and describe distributions. [6.SP.5]

- ___ 1 Report the number and unit of measurement of a data set.
- ___ 2 Find the median and mean of a data set.
- ___ 3 Find the interquartile range of a data set.
- ___ 4 Find the mean absolute deviation of a data set.

Checklist of Goals/Objectives MATH Grade 7

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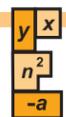
THE NUMBER SYSTEM

1 Apply and extend previous understandings of operations with fractions to add and subtract rational numbers. [7.NS.1]

- ___ 1 Relate sums of rational numbers to movements or situations.
- ___ 2 Relate subtraction of rational numbers to adding the opposite.
- ___ 3 Find distances between rational numbers on a number line.
- ___ 4 Add and subtract integers.
- ___ 5 Add and subtract rational numbers.

2 Apply and extend previous understandings of operations with fractions to multiply and divide rational numbers. [7.NS.2, 7.NS.3]

- ___ 1 Apply multiplication properties to rational numbers.
- ___ 2 Interpret products of rational numbers in real situations.
- ___ 3 Interpret quotients of rational numbers in real situations.
- ___ 4 Multiply and divide integers.
- ___ 5 Multiply and divide rational numbers.
- ___ 6 Write rational numbers as decimals.
- ___ 7 Compute with rational numbers to solve problems.
- ___ 8 Solve multi-step problems with rational numbers.



EXPRESSIONS & EQUATIONS

1 Use properties of operations to generate equivalent expressions. [7.EE.1, 7.EE.2]

- ___ 1 Add and subtract linear expressions with rational coefficients.
- ___ 2 Expand or factor linear expressions.
- ___ 3 Interpret related expressions in real situations.

2 Solve real-life and mathematical problems using numerical and algebraic expressions and equations. [7.EE.3, 7.EE.4]

- ___ 1 Use operations with whole numbers to solve multi-step problems.
- ___ 2 Use fractions to solve multi-step problems.
- ___ 3 Use decimals to solve multi-step problems.
- ___ 4 Assess reasonableness of answers by using estimation.
- ___ 5 Solve linear equations of form $px + q = r$ and $p(x + q) = r$.
- ___ 6 Write linear equations to solve word problems.
- ___ 7 Relate algebraic solutions to arithmetic solutions.
- ___ 8 Write and solve linear inequalities for situations.
- ___ 9 Graph and interpret solutions to inequalities.



RATIOS & PROPORTIONAL RELATIONSHIPS

1 Analyze proportional relationships and use them to solve real-world and mathematical problems. [7.RP.1, 7.RP.2]

- ___ 1 Calculate unit rates associated with ratios of fractions.
- ___ 2 Decide if two ratios or fractions form a proportion.
- ___ 3 Find the missing value in a proportion.
- ___ 4 Identify unit rates from tables, diagrams, or graphs.
- ___ 5 Identify unit rates from equations or verbal descriptions.
- ___ 6 Write equations for proportional relationships.
- ___ 7 Interpret points on graphs of proportions.

2 Solve multi-step percent problems. [7.RP.3]

- ___ 1 Use percent to solve simple interest and tax problems.
- ___ 2 Use percent to solve markup and markdown problems.
- ___ 3 Use percent to solve problems about tips, commissions, and fees.
- ___ 4 Solve problems about percent increase or decrease.
- ___ 5 Calculate percent error.



GEOMETRY

1 Draw, construct, and describe geometrical figures and describe the relationships between them. [7.G.1, 7.G.2, 7.G.3]

- ___ 1 Compute lengths and areas from a scale drawing.
- ___ 2 Reproduce scale drawing using a different scale.
- ___ 3 Draw triangles given measures of sides or angles.
- ___ 4 Draw geometric shapes with given conditions.
- ___ 5 Describe two-dimensional figures that result from slicing solids.

2 Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. [7.G.4, 7.G.5, 7.G.6]

- ___ 1 Recognize relationships between parts of a circle.
- ___ 2 Apply formulas for circumference and area of circles.
- ___ 3 Solve equations to find supplementary, complementary, vertical, and adjacent angles.
- ___ 4 Solve problems involving area and surface area.
- ___ 5 Solve problems involving volume of rectangular prisms.



STATISTICS & PROBABILITY

1 Use random sampling to draw inferences about a population. [7.SP.1, 7.SP.2, 7.SP.3]

- ___ 1 Identify representative sampling methods.
- ___ 2 Use a sample to draw inferences about a population.
- ___ 3 Compare predictions from various samples.

2 Draw informal comparative inferences about two populations. [7.SP.4]

- ___ 1 Visually compare the centers and spreads of distributions on dot plots.
- ___ 2 Use measures of center and variability to make inferences.

3 Investigate chance processes and develop, use, and evaluate probability models. [7.SP.5, 7.SP.6, 7.SP.7, 7.SP.8]

- ___ 1 Compare probabilities and relate to likelihoods of events.
- ___ 2 Use relative frequency of outcomes to approximate probability.
- ___ 3 Calculate simple probabilities based on equally-likely outcomes.
- ___ 4 Make predictions based on relative frequency, and compare results to predictions.
- ___ 5 Calculate probabilities of compound events.
- ___ 6 Create an organized list, table, or tree diagram for a compound event.
- ___ 7 Design and use simulations of compound events.

DATE _____

NAME _____

Checklist of Goals/Objectives

MATH Grade 8

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GEOMETRY & MEASUREMENT

- 1 Understand congruence and similarity using physical models, transparencies, or geometry software.** [8.G.1, 8.G.2, 8.G.3, 8.G.4, 8.G.5]
 - ___ 1 Identify congruent parts in rotations, reflections, and translations.
 - ___ 2 Identify transformations that move a figure onto a congruent figure.
 - ___ 3 Use coordinates to describe translations, reflections, and rotations.
 - ___ 4 Use coordinates to describe dilations.
 - ___ 5 Compare ratios of side lengths to decide if two figures are similar.
 - ___ 6 Identify the scale factor that enlarges or reduces a figure to match a similar figure.
 - ___ 7 Identify transformations that move a figure onto a similar figure.
 - ___ 8 Justify and calculate angle measures in triangles and line figures.
 - ___ 9 Justify the angle-angle criterion of similar triangles.
- 2 Understand and apply the Pythagorean Theorem.** [8.G.6, 8.G.7, 8.G.8]
 - ___ 1 Explain a proof of the Pythagorean Theorem and its converse.
 - ___ 2 Use the Pythagorean Theorem to find lengths.
 - ___ 3 Use the Pythagorean Theorem to find distance between points.
- 3 Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.** [8.G.9]
 - ___ 1 Apply the formula for volume of a cone.
 - ___ 2 Apply the formula for volume of a cylinder.
 - ___ 3 Apply the formula for volume of a sphere.
 - ___ 4 Apply formulas to find volumes of combined solids.

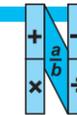


EXPRESSIONS, EQUATIONS, & FUNCTIONS

- 1 Work with radicals and integer exponents.** [8.EE.1, 8.EE.2, 8.EE.3, 8.EE.4]
 - ___ 1 Simplify and evaluate numerical expressions with integer exponents.
 - ___ 2 Develop and apply properties of exponents.
 - ___ 3 Use square root and cube root symbols.
 - ___ 4 Evaluate square roots and cube roots.
 - ___ 5 Convert between standard notation and scientific notation.
 - ___ 6 Use scientific notation to compare relative sizes of numbers.
 - ___ 7 Perform operations on numbers in scientific notation.
 - ___ 8 Use scientific notation to solve problems.
 - ___ 9 Convert measurement results to appropriate units.
- 2 Understand the connections between proportional relationships, lines, and linear equations.** [8.EE.5, 8.EE.6]
 - ___ 1 Graph proportional relationships.
 - ___ 2 Compare two representations of a proportional relationship.
 - ___ 3 Use similar triangles to verify that a line has constant slope.
 - ___ 4 Relate linear equations to slopes and intercepts.
- 3 Analyze and solve linear equations and pairs of simultaneous linear equations.** [8.EE.7, 8.EE.8]
 - ___ 1 Simplify and solve linear equations by writing equivalent forms.
 - ___ 2 Identify or write equations with 0, 1, or infinitely many solutions.
 - ___ 3 Simplify and solve linear equations with rational coefficients.
 - ___ 4 Identify the solution to a system of two linear equations as the intersection point.
 - ___ 5 Solve systems of two linear equations algebraically.
 - ___ 6 Estimate the solution to two linear equations by graphing.
 - ___ 7 Solve problems involving systems of two linear equations.
- 4 FUNCTIONS Define, evaluate, and compare functions.** [8.F.1, 8.F.2, 8.F.3]
 - ___ 1 Understand that a function is a rule.
 - ___ 2 Compare two representations of a function.
 - ___ 3 Decide if a function is linear or non-linear.
- 5 FUNCTIONS Use functions to model relationships between quantities.** [8.F.4, 8.F.5]
 - ___ 1 Identify rate of change from a graph, table, or description.
 - ___ 2 Identify initial value of a function from a graph, table, or description.
 - ___ 3 Write a function from the rate of change and initial value.
 - ___ 4 Describe features of a non-linear function from its graph.
 - ___ 5 Sketch a graph from a verbal description of its features.

NAME _____

DATE _____



THE NUMBER SYSTEM

- 1 Know that there are numbers that are not rational, and approximate them by rational numbers.** [8.NS.1, 8.NS.2]
 - ___ 1 Identify rational and irrational numbers.
 - ___ 2 Convert repeating decimals to rational numbers.
 - ___ 3 Find approximations for irrational numbers.



STATISTICS & PROBABILITY

- 1 Investigate patterns of association in bivariate data.** [8.SP.1, 8.SP.2, 8.SP.3, 8.SP.4]
 - ___ 1 Construct scatter plots.
 - ___ 2 Interpret scatter plots.
 - ___ 3 For data that appear to be linear, estimate a line of best fit.
 - ___ 4 Informally assess the fit of a linear model.
 - ___ 5 Interpret a linear model for real-world data.
 - ___ 6 Compare frequencies and relative frequencies from two-way tables.



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