FRONT ROW ED ASSIGNED LESSONS – Grades 3-5

NUMBERS AND OPERATIONS IN BASE TEN

21	**Rounding to 10/100**	Use place value understanding to round whole numbers to the nearest 10 or 100	**3.NBT.1**
22	**Fluent Add/Sub**	Fluently add and subtract within 1000 using strategies and algorithms based on pla...	**3.NBT.2**
23	**Intro multiplication**	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 (e.g., 9 × 80...	**3.NBT.3**
24	**Place Value Basics**	Recognize that in a multi-digit whole number, a digit in one place represents ten ti...	**4.NBT.1**
25	**Compare multi-digit nums**	Read and write multi-digit whole numbers using base-ten numerals, number name...	**4.NBT.2**
26	**Rounding**	Use place value understanding to round multi-digit whole numbers to any place.	**4.NBT.3**
27	**Add/Sub multi digit**	Fluently add and subtract multi-digit whole numbers using the standard algorithm.	**4.NBT.4**
28	**Four digit multiplication**	Multiply a whole number of up to four digits by a one-digit whole number, and multi...	**4.NBT.5**
29	**Four digit division**	Find whole-number quotients and remainders with up to four-digit dividends and on...	**4.NBT.6**
30	**Place Value**	Recognize that in a multi-digit number, a digit in one place represents 10 times as ...	**5.NBT.1**
31	**Multiplying/Dividing by 10**	Explain patterns in the number of zeros of the product when multiplying a number ...	**5.NBT.2**
32	**Decimals to thousandths**	Read and write decimals to thousandths using base-ten numerals, number names, ...	**5.NBT.3a**
33	**Comparing Decimals**	Compare two decimals to thousandths based on meanings of the digits in each pla...	**5.NBT.3b**
34	**Rounding Decimals**	Use place value understanding to round decimals to any place.	**5.NBT.4**
35	**Multiply multi-digit nums**	Fluently multiply multi-digit whole numbers using the standard algorithm.	**5.NBT.5**
36	**Multi-digit divisors**	Find whole-number quotients of whole numbers with up to four-digit dividends and ...	**5.NBT.6**
37	**Operations on Decimals**	Add, subtract, multiply, and divide decimals to hundredths, using concrete models ...	**5.NBT.7**

COMMON CORE COUNTING & CARDINALITY, OPERATIONS & ALGEBRAIC THINKING

27	**Basic Multiplication**	Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of obj...	**3.OA.1**
28	**Basic Division**	Interpret whole-number quotients of whole numbers, e.g., interpret 56 ÷ 8 as the n...	**3.OA.2**
29	**Mult/Div within 100**	Use multiplication and division within 100 to solve word problems in situations invol...	**3.OA.3**
30	**Unknowns in Mult/Div**	Determine the unknown whole number in a multiplication or division equation relati...	**3.OA.4**
31	**Multiplication Properties**	Apply properties of operations as strategies to multiply and divide.2 Examples: If 6 ...	**3.OA.5**
32	**Division as Unknown Factor**	Understand division as an unknown-factor problem. For example, find 32 ÷ 8 by fin...	**3.OA.6**
33	**Advanced Mult/ Division**	Fluently multiply and divide within 100, using strategies such as the relationship bet...	**3.OA.7**
34	**Two step word problems**	Solve two-step word problems using the four operations. Represent these problem...	**3.OA.8**
35	**Arithmetic Patterns**	Identify arithmetic patterns (including patterns in the addition table or multiplicatio...	**3.OA.9**
36	**Multiplication as Comparison**	Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a st...	**4.OA.1**
37	**Word Problems: Mult Compa...**	Multiply or divide to solve word problems involving multiplicative comparison, e.g., ...	**4.OA.2**
38	**Multi-step Word Problems**	Solve multistep word problems posed with whole numbers and having whole-numb...	**4.OA.3**
39	**Factor Pairs < 100**	Find all factor pairs for a whole number in the range 1–100. Recognize that a whole ...	**4.OA.4**
40	**Number/ Shape Patterns**	Generate a number or shape pattern that follows a given rule. Identify apparent fe...	**4.OA.5**
41	**Parentheses**	Use parentheses, brackets, or braces in numerical expressions, and evaluate expr...	**5.OA.1**
42	**Simple Expressions**	Write simple expressions that record calculations with numbers, and interpret num...	**5.OA.2**
43	**Numerical Patterns**	Generate two numerical patterns using two given rules. Identify apparent relations...	**5.OA.3**

MEASUREMENT & DATA

18	Time to Nearest Minute	Tell and write time to the nearest minute and measure time intervals in minutes. S...	3.MD.1
19	Mass/Volume Measurements	Measure and estimate liquid volumes and masses of objects using standard units o...	3.MD.2
20	Visual Representations of Data	Draw a scaled picture graph and a scaled bar graph to represent a data set with se...	3.MD.3
21	Visual Representations of Data	Generate measurement data by measuring lengths using rulers marked with halve...	3.MD.4
22	Understand Area	Recognize area as an attribute of plane figures and understand concepts of area m...	3.MD.5
23	Measure Area	Measure areas by counting unit squares (square cm, square m, square in, square f...	3.MD.6
24	Find Area by Tiling	Find the area of a rectangle with whole-number side lengths by tiling it, and show th...	3.MD.7a
25	Multiply to find Area	Multiply side lengths to find areas of rectangles with whole-number side lengths in ...	3.MD.7b
26	Tiling to Prove Area	Use tiling to show in a concrete case that the area of a rectangle with whole-numbe...	3.MD.7c
27	Adding Partial Areas	Recognize area as additive. Find areas of rectilinear figures by decomposing them i...	3.MD.7d
28	Perimeter	Solve real world and mathematical problems involving perimeters of polygons, incl...	3.MD.8
29	Measurement Size and Conv...	Know relative sizes of measurement units within one system of units including km, ...	4.MD.1
30	Word Problems Involving Me...	Use the four operations to solve word problems involving distances, intervals of tim...	4.MD.2
31	Area and Perimeter	Apply the area and perimeter formulas for rectangles in real world and mathemati...	4.MD.3
32	Fractional Line Plots	Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/...	4.MD.4
33	Angle Measurement	An angle is measured with reference to a circle with its center at the common endp...	4.MD.5a
34	Angles in Degrees	An angle that turns through n one-degree angles is said to have an angle measure ...	4.MD.5b
35	Measuring and Creating Angles	Measure angles in whole-number degrees using a protractor. Sketch angles of spe...	4.MD.6
36	Real World Angle Problems	Recognize angle measure as additive. When an angle is decomposed into non-over...	4.MD.7
37	Convert Standard Measurem...	Convert among different-sized standard measurement units within a given measur...	5.MD.1
38	Make and Use Line Plots	Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/...	5.MD.2
39	Measuring Volume	A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of...	5.MD.3a
40	Packing Unit Cubes	A solid figure which can be packed without gaps or overlaps using n unit cubes is sa...	5.MD.3b
41	Volume by Counting Cubes	Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft., and im...	5.MD.4
42	Volume of Right Prisms	Find the volume of a right rectangular prism with whole-number side lengths by pa...	5.MD.5a
43	Volume Formulas	Apply the formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms to find volume...	5.MD.5b
44	Volume of Rectilinear Solids	Recognize volume as additive. Find volumes of solid figures composed of two non-o...	5.MD.5c

GEOMETRY

NUMBERS AND OPERATIONS - FRACTIONS

1	**What is a fraction**	Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitio...	**3.NF.1**
2	**Unit Fractions on Number Line**	Understand a fraction as a number on the number line; represent fractions on a nu...	**3.NF.2a**
3	**Fractions on number line**	Understand a fraction as a number on the number line; represent fractions on a nu...	**3.NF.2b**
4	**Intro Fraction Equivalence**	Explain equivalence of fractions in special cases: Understand two fractions as equiv...	**3.NF.3a**
5	**Equivalent Fractions**	Recognize and generate simple equivalent fractions, e.g., 1/2 = 2/4, 4/6 = 2/3. Expla...	**3.NF.3b**
6	**Whole Numbers as Fractions**	Explain equivalence of fractions in special cases. Express whole numbers as fractio...	**3.NF.3c**
7	**Compare Similar Fractions**	Compare fractions by reasoning about their size. Compare two fractions with the s...	**3.NF.3d**
8	**Generate Equivalent Fractions**	Explain why a fraction a/b is equivalent to a fraction (n x a) / (n x b) by using visual fr...	**4.NF.1**
9	**Compare Dissimilar Fractions**	Compare two fractions with different numerators and different denominators, e.g., ...	**4.NF.2**
10	**Intro to Fraction Addition**	Understand a fraction a/b with a > 1 as a sum of fractions 1/b. Understand addition ...	**4.NF.3a**
11	**Decomposing Fractions**	Understand a fraction a/b with a > 1 as a sum of fractions 1/b. Decompose a fractio...	**4.NF.3b**
12	**Mixed Numbers with Like De...**	Understand a fraction a/b with a > 1 as a sum of fractions 1/b. Add and subtract mi...	**4.NF.3c**
13	**Word Problems: Addition**	Understand a fraction a/b with a > 1 as a sum of fractions 1/b. Solve word problems...	**4.NF.3d**
14	**Understanding Multiples**	Apply and extend previous understandings of multiplication to multiply a fraction by...	**4.NF.4a**
15	**Multiplying Fractions**	Apply and extend previous understandings of multiplication to multiply a fraction by...	**4.NF.4b**
16	**Word Problems: Multiplying**	Apply and extend previous understandings of multiplication to multiply a fraction by...	**4.NF.4c**
17	**Equivalent Denominators**	Express a fraction with denominator 10 as an equivalent fraction with denominator ...	**4.NF.5**
18	**Simple Decimal Notation**	Use decimal notation for fractions with denominators 10 or 100. For example, rewri...	**4.NF.6**
19	**Comparing Decimals**	Compare two decimals to hundredths by reasoning about their size. Recognize that...	**4.NF.7**
20	**Adding: Unlike Denominators**	Add and subtract fractions with unlike denominators (including mixed numbers) by ...	**5.NF.1**
21	**Word Problems: Unlike Deno...**	Solve word problems involving addition and subtraction of fractions referring to the...	**5.NF.2**
22	**Fractions as Division**	Interpret a fraction as division of the numerator by the denominator (a/b = a ÷ b). S...	**5.NF.3**
23	**Products and Fractions**	Apply and extend previous understandings of multiplication to multiply a fraction or...	**5.NF.4a**
24	**Fractional Rectangles**	Apply and extend previous understandings of multiplication to multiply a fraction or...	**5.NF.4b**
25	**Comparing Product Size**	Interpret multiplication as scaling (resizing), by: Comparing the size of a product to ...	**5.NF.5a**
26	**Multiplication by Fractions > 1**	Interpret multiplication as scaling (resizing), by: Explaining why multiplying a given ...	**5.NF.5b**
27	**Multiplying Mixed Fractions**	Solve real world problems involving multiplication of fractions and mixed numbers, ...	**5.NF.6**
28	**Dividing Unit Fractions**	Apply and extend previous understandings of division to divide unit fractions by wh...	**5.NF.7a**
29	**Dividing by Unit Fractions**	Apply and extend previous understandings of division to divide unit fractions by wh...	**5.NF.7b**
30	**Word Problems: Division**	Apply and extend previous understandings of division to divide unit fractions by wh...	**5.NF.7c**