

Year at a Glance: Math - Gr. 4 Student Learning Objectives Clustered by Unit

DOCUMENT KEY: WALT (That) ... indicates a concept. WALT (To) ... indicates a skill.

Key	Focus - Explicit Instruction and Assessment		Unit 1		Unit 2		Unit 3		Unit 4	
	Revisited and Reinforced		Place Value and Operations with Whole Number	Multi-digit Multiplication and Division & Fraction Equivalence	Building Fractions & Decimal Notation	Geometry and Measurement				
NJSLS	SLO	Units	1A	1B	2A	2B	3A	3B	4A	4B
OPERATIONS and ALGEBRAIC THINKING										
4.OA.A.1 A. Use the four operations with whole numbers to solve problems. 1. Interpret a multiplication equation as a comparison, e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.	WALT interpret multiplication equations as a comparison statement	1								
	WALT represent verbal comparison statements as multiplication equations	1								
4.OA.A.2 A. Use the four operations with whole numbers to solve problems. 2. Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.	WALT distinguish multiplicative comparison from additive comparison	1								
	WALT multiply and divide to solve word problems involving multiplicative comparisons, using drawings and equations containing a variable to represent the problem	1								
4.OA.A.3 A. Use the four operations with whole numbers to solve problems. 3. Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.	WALT solve multi-step whole number word problems that have whole number answers, including problems in which remainders must be interpreted	1, 2, 3, 4								
	WALT represent these problems using equations with a letter standing for the unknown quantity	1, 2, 3, 4								
	WALT assess the reasonableness of answers using mental computation, estimation strategies, and rounding	1, 2, 3, 4								
4.OA.B.4 B. Gain familiarity with factors and multiples. 4. Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1–100 is prime or composite.	WALT find all factors pairs for a whole number in the range 1 through 100	1								
	WALT recognize that a whole number is a multiple of each of its factors	1								
	WALT determine whether a given whole number is a multiple of a given one-digit number in the range 1 through 100	1								
	WALT determine whether a given whole number is prime or composite in the range 1 through 100	1								
4.OA.C.5 C. Generate and analyze patterns. 5. Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. For example, given the rule “Add 3” and the starting number 1, generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers. Explain informally why the numbers will continue to alternate in this way.	WALT generate a number or shape pattern that follows a given rule	1								
	WALT identify the features of a pattern that are not explicit in the rule	1								
NUMBERS and OPERATIONS in BASE TEN										

