

Westwood Third Grade 2022-2023 Math Essential Standards

Operational

3.OA.A.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem)

3.OA.C.7 Using computational fluency, multiply and divide within 100, using strategies such as the relationship between multiplication and division or properties of operations By the end of Grade 3, automatically (fact fluency) recall all products of two one-digit numbers

3.OA.D.8 Solve two-step word problems using the four operations, and be able to:
Represent these problems using equations with a letter standing for unknown quantity
Assess the reasonableness of answers using mental computation and estimation strategies including rounding

Numbers and Base Ten

3.NBT.A.2 Using computational fluency, add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and the relationship between addition and subtraction

3.NBT.A.4 Understand that the four digits of a four-digit number represent amounts of thousands, hundreds, tens, and ones . Understand the following as special cases: 1,000 can be thought of as a group of ten hundreds---called a thousand The numbers 1,000, 2,000, 3,000, 4,000, 5,000, 6,000, 7,000, 8,000, 9,000 refer to one, two, three, four, five, six, seven, eight, or nine thousands

Fractions

3.NF.A.1 Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts. Understand a fraction $\frac{a}{b}$ as the quantity formed by a parts of size $\frac{1}{b}$

3.NF.A.2 Understand a fraction as a number on the number line; represent fractions on a number line diagram. Represent a fraction $\frac{1}{b}$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into b equal parts. Recognize that each part has size $\frac{1}{b}$ and that the endpoint of the part based at 0 locates the number $\frac{1}{b}$ on the number line

3.NF.A.3 Explain equivalence of fractions in special cases and compare fractions by reasoning about their size: Understand two fractions as equivalent (equal) if they are the same size or the same point on a number line Recognize and generate simple equivalent fractions. Explain why the fractions are equivalent. Express whole numbers as fractions and recognize fractions that are equivalent to whole numbers. Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols ($>$, $=$, $<$) and justify the conclusions.

Geometry

3.MD.A.1 Tell time using the terms quarter and half as related to the hour. Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes.