

Third Grade

Quarter 1

Math Matrix

| Unit Name | Investigations | Sessions | Math Main Ideas | Assessments |
|---|--|---|--|---|
| UNIT 1 –UNDERSTANDING EQUAL GROUPS <i>Multiplication and Division 1</i> | 1-4 | 23 | | Assessment Activities, Quizzes and Unit Test |
| <p>3.OA.A.1 Interpret products of whole numbers</p> <p>3.NBT.A.2 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>3.OA.A.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities</p> <p>3.MD.A.2 Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units</p> | <p>1 – THINGS THAT COME IN GROUPS</p> <p>2 – SKIP COUNTING AND 100 CHARTS</p> <p>3- ARRAYS</p> | <p>1.1- 1.4</p> <p>2.1-2.6</p> <p>3.1-3.7</p> | <p>Understanding the meaning of multiplication</p> <p>Understanding the meaning of multiplication</p> <p>Learning the multiplication facts</p> <p>Understanding the meaning of multiplication</p> <p>Learning the multiplication facts</p> | <p>A1 Solving Problems About Our Pictures (1.4)</p> <p>A3 Counting Around the Class (2.5)</p> <p>Quiz 1 A4-A5 (2.6)</p> <p>Quiz 2 A7-A8 (3.7)</p> |
| <p>3.OA.A.4 Determine the unknown whole number in a multiplication or division equation relating three whole numbers.</p> <p>3.OA.D.9 Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations.</p> <p>3.OA.D.8 Solve two-step word problems using the four operations. 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.</p> <p>3.NF.A.1 Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size $1/b$.</p> <p>3.NF.A.1 Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size $1/b$.</p> | <p>4- UNDERSTANDING DIVISION</p> | <p>4.1-4.6</p> | <p>Understanding and working with an array/area model of multiplication</p> <p>Understanding the meaning of multiplication</p> <p>Learning the multiplication facts</p> <p>Developing strategies for division based on understanding the inverse relationship between multiplication and division.</p> | <p>A9 Multiplication Facts (4.4)</p> <p>Quiz 3 A10-A11 (4.5)</p> <p>A12 Multiplication and Division (4.6)</p> <p>UNIT 1 TEST</p> |

