Third Grade — Quarter 3 — Math Matrix

Unit	Investigations	Sessions	Math Main Ideas	Assessments
UNIT 6- FAIR SHARES AND FRACTIONS ON NUMBER LINES *Fractions*	1-2	**13** **7 supplemental lessons*		**Assessment Activities, Quizzes and Unit Tests**
3.OA.A.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities **3.OA.A.4** Determine the unknown whole number in a multiplication or division equation relating three whole numbers. **3.OA.C.7** Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division **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. **3.OA.D.9** Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. **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. **3.NBT.A.3** Multiply one-digit whole numbers by multiples of 10 in the range 10-90 using strategies based on place value and properties of operations. **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. **3.NF.A.2** Understand a fraction as a number on the number line; represent fractions on a number line diagram. **3.NF.A.3** Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size. **3.MD.A.1** Tell and write time to the nearest minute and measure time intervals in minutes. **3.MD.B.4** Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters. **3.G.A.2** Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. **3.OA.B.5** Apply properties of operations as strategies to multiply and divide.	**1-SHARING BROWNIES** **2-UNDERSTANDING & FINDING AREA** ***Please see supplemental fraction packet for additional lessons**	1.1– 1.8 2.1 – 2.7	Understanding the meaning of fractions as equal parts of a whole Understanding the meaning of fractions as numbers Comparing fractions and reasoning about fraction equivalences with representations Modeling with fraction notation Understanding the meaning of fractions as equal parts of a whole Understanding the meaning of fractions as numbers Comparing fractions and reasoning about fraction equivalences with representations Modeling with fraction notation	Quiz 1 A59-A60 (1.8) Quiz 2 A62-A63 (2.4) **Representing and comparing fractions A64-A65 (2.5)** **UNIT 6 TEST**