Unit Name	Investigations	Sessions	Math Main Ideas	Assessments
UNIT 8 – PENNY JARS AND TOWERS *Analyzing Patterns and Rules*	1	**10** Approx. 10-13 Days		**Checklists, Games Quizzes and Unit Test**
4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations. **4.OA.C.5** Generate a number or shape pattern that follows a given rule. **4.NBT.A.3** Use place value understanding to round multi-digit whole numbers to any place. **4.NBT.B.5** Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. **4.NBT.B.6** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors. **4.MD.A.2** Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money.	**1- Representing and Analyzing Patterns**	**1.1- 1.10**	**Modeling situations with mathematics** **Generating and analyzing patterns** **Solving multi-step problems**	**A63 Assessment Checklist, Sessions 1.5, 1.6 and 1.7** **Quiz 1 A64-65 Session 1.8** **A66-A68 Arithmetic Patterns, Tables, and Notation Session 1.10** **UNIT 8 TEST** **END OF YEAR TEST**

Lessons in Unit 6 that cover decimal fractions may be modified or taught in the 40 weeks (post-test).