

Math (Salgado)	1st quarter: week 1-2	Timeframe: 10 days	Level/Grade: 6
-----------------------	---	---------------------------	-----------------------

Unit 1: Pre-Pre-Algebra

Objectives:

After completing this unit, the students will

- ★ evaluate an expression containing multiple operations, exponents and parentheses
- ★ write and evaluate exponential expressions
- ★ write and evaluate variable expressions from a given picture or situation
- ★ solve a one step equation using inverse operations or mental math or identify the correct solution

Vocabulary: expression; evaluate; order of operations; exponent; base; powers; squared; cubed; equation; variable; parentheses; inverse operations

Lesson 1: My Dear Aunt Sally

Students will explore the natural order of operations when solving a multi-step problem and evaluate expressions with multiple operations.

Lesson 2: Parentheses

Students will discover the need to over-ride the natural order of operations then write and evaluate expressions using grouping symbols.

Lesson 3: Variables

Students will translate English expressions into mathematical expressions using variables and evaluate variable expressions once given the value of each variable.

Lesson 4: Exponents

Students will identify the function of exponents and evaluate exponential expressions.

Lesson 5: Please Excuse My Dear Aunt Sally

Students will evaluate expressions using multiple operations, exponents and parentheses.

Lesson 6: Equations

Students will evaluate equations to determine whether possible solutions are correct and solve equations using inverse operations.

Activity Type:

Teacher guided instruction; exploration; whole class (cooperative); individual practice; read story

TEKS:

6.2B,C 6.4A 6.5 6.11A,B,C,D 6.12A,B 6.13A,B
7.1C 7.2E

Materials:

Graphing calculators; pencil; math log; scissors; markers; index cards; tape; scissors; chart paper; "One Grain of Rice" (book)