Foundations - Session 4

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Objective: The Foundations course is designed to prepare students with the foundational math skills necessary for advanced math. The class uses the Everyday Mathematics text, games, and Khan Academy.   Students will also learn to apply these topics to real-life situations.

Finish Unit 3 and do what we can to complete Unit 4

Unit 4: Algebraic Expressions and Equations

- ❏ Parentheses, Exponents, and Calculators
- ❏ Solving Problems with Order of Operations
- ❏ Expressions and Patterns
- ❏ Representing Unknown Quantities with Algebraic Expressions
- ❏ Exploring Equations
- ❏ Distributive Property and Equivalent Expressions
- ❏ Applying Properties of Arithmetic
- ❏ Introduction to Inequalities
- ❏ Finding and Graphing Solution Sets of Inequalities
  - ❏ Inequalities to Represent Real-World Situations
  - ❏ Absolute Value as Distance
  - ❏ Absolute Value
  - ❏ Mean Absolute Deviation
  - ❏ Using Nets to Find Surface Area
  - ❏ Combining Like Terms

Unit game: Ratio Memory Match, Name That Number, Fraction Top-It (Division), Spoon Scramble (Expressions), Doggone Decimal, Solution Search, Absolute Value Sprint, Percent Spin

Expectations:

- ❏ Participate in class including asking for help or questions.
- ❏ Do your best to meet personal goals.
- ❏ Complete homework assigned.
- ❏ Watch each assigned Khan Academy video and take notes in a spiral notebook where appropriate.
- ❏ Get "practiced" on each exercise. If you're having trouble, watch a video, get help from a friend or family member, or ask your teacher for help before attempting again.

Tips:

- ❏ Use your time wisely in class and at home. If you are distracted, the lessons will take 2 or 3 times as long.
- ❏ Ask for a copy of the Unit games and practice them at home as well.