Instructional Flow — Unit 2 — Real Number Systems

I. Mathematical Properties
- using properties of addition and multiplication
- extending applications of the distributive property
- analyzing group properties

II. Rational Numbers
- exploring relationships among number systems
- investigating operations with rational numbers

III. Powers and Exponents
- investigating uses of exponents
- modeling and applying the rules of exponents in authentic situations

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IV. Powers of Ten
- exploring uses of scientific notation
- computing with scientific notation to solve problems

V. Roots and Powers
- exploring the relationship between roots and powers
- using powers and roots to solve problems
- investigating relationships among number systems, including irrational numbers

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VI. Ratios and Proportional Reasoning
- applying proportional reasoning to authentic situations