Order-of-Magnitude Estimation How big is New Hampshire? (Level 2)

The Question

What fraction of the land area of the Earth makes up New Hampshire?

Background

The Earth is big, and states in the North East are fairly small. But how small are they?

The Solution

Education Standards

This OoM Estimation problems meets the following standards in **bold**: *Next Generation Science Standards (NGSS)*:

- Physical Sciences
 - Matter & Its Interactions
 - Motion and Stability: Forces and Interactions
 - Energy
 - Waves and Their Applications in Technologies for Information Transfer
- Life Sciences
 - From Molecules to Organisms: Structures and Processes
 - Ecosystems: Interactions, Energy, and Dynamics
 - Heredity: Inheritance and Variation of Traits
 - Biological Evolution: Unity and Diversity
- Earth and Space Sciences
 - Earth's Place in the Universe
 - Earth's Systems
 - Earth and Human Activity
- Engineering, Technology, and Applications of Science
 - Engineering Design

Common Core Standards (CSS):

- Counting & Cardinality
- Operations & Algebraic Thinking
- Numbers & Operations in Base Ten
- Number & Operations Fractions
- Measurement & Data
- Geometry
- Ratios & Proportional Relationships
- The Number System
- Expressions & Equations
- Functions
- Statistics & Probability