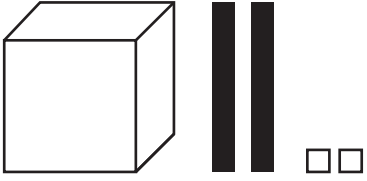# Representing Decimals

Materials: base ten blocks

1. Give the large cube in a base ten set a value of 1, the flat a value of one tenth, the long a value of one hundredth, and the small cube a value of one thousandth.

2. Use five base ten blocks to represent a decimal number.

3. Create a table. Draw the base ten blocks. Represent the decimal in numeral, word and expanded form.

Example:

Picture	Numeral Form	Word Form	Expanded Form
	1.022	one and twenty-two thousandths	1.022 = 1 × 1 + 0 × (1/10) + 2 × (1/100) + 2 × (1/1000)

4. Repeat using other combinations of five base ten blocks.