

# Decimals and Fractions for Tenths, Hundredths, and Thousandths

The diagram shows three vertical number lines, each with 10 equal intervals. The top and bottom of each line are labeled with fractions and decimals. The middle of each line has 10 empty boxes for student input. Arrows point from the boxes on the first line to the boxes on the second and third lines.

**Line 1 (Tenths):** Top labels:  $\frac{10}{10}$ , 1.0, 1. Bottom labels:  $\frac{0}{10}$ , 0.0, 0. Middle labels:  $\frac{2}{10}$ , 0.2,  $\frac{1}{10}$ , 0.1. Boxes: 10 empty boxes.

**Line 2 (Hundredths):** Top labels:  $\frac{4}{10}$ ,  $\frac{40}{100}$ , 0.40, 0.4. Bottom labels:  $\frac{3}{10}$ ,  $\frac{30}{100}$ , 0.30, 0.3. Middle labels:  $\frac{31}{100}$ , 0.31. Boxes: 10 empty boxes.

**Line 3 (Thousandths):** Top labels:  $\frac{38}{100}$ ,  $\frac{380}{1,000}$ , 0.380, 0.38. Bottom labels:  $\frac{37}{100}$ ,  $\frac{370}{1,000}$ , 0.370, 0.37. Middle labels: 0.371. Boxes: 10 empty boxes.

Arrows indicate the following connections:  
 - From the 4th box of Line 1 to the 4th box of Line 2.  
 - From the 2nd box of Line 1 to the 2nd box of Line 2.  
 - From the 4th box of Line 2 to the 4th box of Line 3.  
 - From the 2nd box of Line 2 to the 2nd box of Line 3.