Name Answer Key Date _____

1. Compare using >, <, or =.

a. 0.2 > 0.137

b. 1 thousandths + 5 hundredths > 0.039

$0.001 + 0.05$

0.051

c. 4 tens 3 tenths 1 thousandth > 30.31

$40 + 0.3 + 0.001$

40.301

d. 25 tenths = 2.5

2.5

e. $3 \times 10^3 + 2 \times 100 + 3 \times \frac{1}{10}$ < $5 \times 1000 + 2 \times 10^2 + 3 \times \frac{1}{10}$

$300 + 200 + 0.3$

500.3

$5000 + 200 + 0.3$

5200.3

f. $4 \times \frac{1}{10} + 4 \times \frac{1}{1000}$ > 0.350

$0.4 + 0.004$

0.404

2. Model the number 7.77 on the place value chart.

		ones	tenths	hundredths
		7	7	7

a. Use words, numbers, and your model to explain why each of the digits has a different value. Be sure to use "ten times as large" and "one tenth as large" in your explanation.

Possible answers:

7.77 (ones) $\rightarrow 7 \times \frac{1}{100}$

$7 \times \frac{1}{10}$

Each value is ten times greater or $\frac{1}{10}$ less to the digit to the left or right.

Each column above has a different place value. 7 ones is 10 times as large as 7 tenths. 7 hundredths is $\frac{1}{10}$ as large as 7 tenths.