

Name _____

Date _____

1. Compare using $>$, $<$, or $=$.

a.

0.5



0.227

b. 4 thousandths + 4 hundredths

0.044



0.037

c. 2 tens 3 tenths 1 thousandth

20.301



20.31

d.

27 tenths

0.27



2.5

e.

$$6 \times 10^3 + 2 \times 100 + 3 \times \frac{1}{10}$$

$$6,000 + 200 + 0.3 = 6,200.3$$



$$6 \times 1000 + 2 \times 10^2 + 3 \times \frac{1}{10}$$

$$6,200.3$$

f.

$$3 \times \frac{1}{10} + 6 \times \frac{1}{1000}$$

$$0.306$$



0.360

2. Model the number 5.55 on the place value chart.

Ones	Tenths	Hundredths	Thousandths
5	5	5	

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.

$5.$ 5 5
 This is $\rightarrow$ 5×1 $\uparrow$ $5 \times \frac{1}{10}$ $\uparrow$ $5 \times \frac{1}{100}$

Even though there is a 5 in every place value, they each have a different value. 5 ones is ten times as many as 5 tenths. 5 tenths is ten times as many as 5 hundredths.