

Name _____

Date _____

Place Values and Ten Times Differences - Guided Lesson Explanation

Explanation to #1

We know that 1 ten thousand = 10 thousands = 100 hundreds = 1,000 tens

1 ten thousand = 1,000 tens

It then stands to reason that: 5 ten thousands = 5,000 tens

Explanation to #2

We have to remember the place value. See the examples.

hundreds	tens	ones		tenths	hundredths	thousandths
6	7	8	.	4	5	1

The 4 is in the tenths' place.

Explanation to #3

Step 1) Identify what is being asked of you.

For example, how much greater is the value of the letter "e" over the letter "f"?

Step 2)

5	0	7	.	2	2	3
a	b	c	d	e	f	g

We are comparing the value of 2 tenths on 'e' to the value of 2 hundredths on 'f'. All place values change by a power of ten. Since it is a difference of one place value, i.e., 0.2 versus 0.02, the answer is 10 times greater.

