Name.		

Learning Target: Use place value to compare two multi-digit numbers. **Success Criteria:**

- I can explain how to compare two numbers with the same number of digits.
- I can use the symbols <, >, and = to compare two numbers.

Think and Grow

Example Compare 2,752,822,582 and 2,752,820,148.

Use a place value chart.

Billions Period		Millions Period		Thousands Period		Ones Period					
н	T	0	Н	Т	0	Н	Т	0	Н	Т	0
		2,	7	5	2,	8	2	2,	5	8	2
		2,	7	5	2,	8	2	0,	1	4	8

Start at the left. Compare the digits in each place until the digits differ.

Step 1: Compare the billions.

2,752,822,582

2,752,820,148

2 billions () 2 billions **Step 2:** Compare the hundred millions.

2,752,822,582

2,752,820,148

7 hundred millions ()7 hundred millions

Step 3: Compare the ten millions.

2,752,822,582

2,752,820,148

5 ten millions () 5 ten millions **Step 4:** Continue to compare until digits differ.

2,752,82<mark>2</mark>,582

2,752,820,148

2 thousands () 0 thousands

So, 2,752,822,582 2,752,820,148.

Show and Grow

Compare.

1. 83,200,158 () 81,254,167

2. 7,141,825 (7,141,635

3. 8,491,325,012()8,491,325,012

4. 275,178,201 () 12,275,178,201

Practice

Compare.

- **6.** 679,561,248,000 (9,561,248,000 **5.** 67,200 (67,200,827 **7.** 303,224,728,149 (103,224,728,149 **8.** 10,524,897 9,624,218,579 **9.** 51,348,524 (51,348,425 **10.** 893,046,250 (700,000,000,000 + 80 + 9**12.** eight billion (8,000,000,000 **11.** 600,140 (six hundred million, fourteen
- 14. YOU BE THE TEACHER Your friend says that 946,215,844 is greater than 6,245,854,246 because 9 is greater than 6. Is your friend correct? Explain.
- **Number Sense** Is 24,154,070,001 greater than or less than twenty-four billion, one hundred fifty-four million, seventeen thousand, one? Explain.

Open-Ended Complete the number to make the statement true. Explain how you chose your digit(s).

- **16.** 270,644,982,245 > 270,6 4,982,245
- **17.** 764,824,154 < 76 ,824,1 4
- **18.** Modeling Real Life Use the table.

A city planner receives 3 estimates for the construction of an apartment complex. Order the estimates from least to greatest.

Apartment Con	Apartment Complex Estimates			
А	\$51,668,254			
В	\$45,824,564			
С	\$51,725,340			

Which estimate should the city planner choose? Explain.