Name _____   Date _____

Errors in Comparing Numbers

ANSWER SHEET (Explanations may vary.)

1.   **2,659 > 2,699**

This comparison means two thousand six hundred fifty-nine is greater than two thousand six hundred ninety-nine. It is incorrect because the first nine in the second number shows that there are 9 tens while there are only 5 tens in the first number. The rest of the digits are the same. I can fix it by changing the greater than symbol (>) to a less than symbol (<) to make 2,659 < 2,699.

2.   **301 > 3,001**

This comparison means three hundred one is greater than three thousand one. It is incorrect because 300 is much less than 3,000. If I look at the two numbers in a place value chart from left to right, I can tell that the first number is much less because there is no digit in the thousands place. I can fix it by changing the greater than symbol (>) to a less than symbol (<) to make 301 < 3,001.

3.   **1,800 < 1,789**

This comparison means one thousand eight hundred is less than one thousand seven hundred eighty-nine. It is incorrect because 1,800 is 11 more that 1,789. I can fix it by changing the less than symbol (<) to a greater than symbol (>) to make 1,800 > 1,789.

Errors in Comparing Numbers

4. **7,231 > 7,321**

This comparison means <u>seven thousand two hundred thirty-one is greater than</u> <u>seven thousand three hundred twenty-one.</u> It is incorrect because <u>the digits that are</u> <u>different are in the hundreds and tens place. If I compare just 231 to 321, I can clearly see that</u> <u>the first number is less than the second number.</u> I can fix it by <u>changing the greater than</u> <u>symbol (>) to a less than symbol (<) to make 7,231 < 7,321.</u>

5. **5,222 = 5,322**

This comparison means <u>five thousand two hundred twenty-two is equal to five</u> <u>thousand three hundred twenty-two.</u> It is incorrect because <u>these two numbers are not</u> <u>equal or the same. One is greater than the other.</u> I can fix it by <u>changing the equal to symbol</u> <u>(=) to a less than symbol (<) to make 5,222 < 5,322 because I know that two hundred is less</u> <u>than three hundred.</u>

6. **9,052 < 9,025**

This comparison means <u>nine thousand fifty-two is less than nine thousand</u> <u>twenty-five.</u> It is incorrect because <u>the 5 in the tens place in the first number is greater than</u> <u>the 2 in the tens place in the second number.</u> I can fix it by <u>changing the less than symbol (<)</u> <u>to a greater than symbol (>) to make 9,052 > 9,025.</u>