Name _____   Date _____

Comparing Multi-Digit Numbers - Step-by-Step Lesson

Lesson 1   Convert 754 to:

a) a number name

b) expanded form

c) a number of hundreds, tens, and ones.

Explanation:

Step 1) First we look to see what is being asked of us.

"Convert 754 to: a number name, expanded form, number of hundreds, tens, and ones."

1a) a number name is

Word called 754

     Step 1a) 7 is on the hundreds place. So we called it seven hundred.

     Step 2a) 5 is on the tens place, so we called it fifty.

     Step 3a) As 4 is on the ones place, so we called it four.

     So the answer is: Seven hundred-fifty-four.

1b) Expanded form

Step 1b) The first digit is called the hundreds place. It tells you how many sets of one hundred are in the number. The number 754 had seven hundreds (700).

Step 2b) The middle digit is the tens place. It tells you that there are 5 tens (50) in addition to the seven hundreds (700).

Step 3b) The last or right digit is the ones place which is 4 in this question. There are 7 sets of 100, plus 5 sets of 10, plus 4 ones in the number 754.

Answer : 700 + 50 + 4

1c) number of hundred's, ten's, and one's.

Step 1c) When we have more than 9 items, we start another column - the "tens" column - and we write down how many "tens" we have, followed by how many ones (called "units"):

So we know that we have 5 tens and 4 ones, which makes 54.

Step 2c) When we have more than 99 items, we start another column - the "hundreds" column. Now we need to show how many hundreds, tens and units:

So we know that we have 7 hundreds, 5 tens and 4 ones.

Answer : 7 hundreds, 5 tens, 4 ones