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Comparing Multi-Digit Numbers - Guided Lesson

Explanation to #1

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

"Convert 268 to: a number name, expanded form, number of hundreds, ten's, and one's."

1a) A number name is:

A word called 268

Step 1a) As 2 is on hundreds place, so we called it two hundred.

Step 2a) As 6 is on tens place, so we called it sixty.

Step 3a) As 8 is on ones place, so we called it eight.

So, the answer is: two hundred-sixty-eight.

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 268 had two hundreds.

Step 2b) The middle digit is the tens place. It tells you that there are 6 tens.

Step 3b) The last or right digit is the ones place which is 8 in this question.

Answer: $200 + 60 + 8$



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1c) Number of hundreds, tens, and ones.

Working from the expanded form (1b) we can just put it in words.

Answer : 2 hundreds, 6 tens, 8 ones

Explanation to #2

2a) Compare the digits that are underlined.

We have 2 values $5\underline{4}3$ and $8\underline{3}2$.

In 543 – We look at the 4 in the tens place, it becomes 40.

In 832 - We look at the 3 in the tens place, it becomes 30.

So 40 is greater than 30. We will put greater than sign.

Answer : $40 > 30$

2B) Compare the digits that are underlined.

We have 2 values $4\underline{2}72$ and $18\underline{4}3$.

In 4272 – We look at the 7 in the tens place, it becomes 70.

In 1843 – We look at the 4 in the tens place, it becomes 40.

So 70 is greater than 40. We will put greater then sign.

Answer : $70 > 30$



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Explanation to #3

To find the place value of any digit in any number, start from right side of number.

Digit which comes first from the rightmost corner is called ones place

Digit comes second from the right is called number on tens place.

Digit comes third from right is called number on hundreds place.

Digit comes fourth from right is called number on thousands place.

a) 3235

Start counting from right, as 2 is third digit so it is in the hundreds place.

b) 736

After counting from right side 3 is second digit in number so it is in the tens place.

c) 6291

Count from right side as 9 is second digit, so it is in the tens place.

d) 2177

After counting from right side of number we find that 7 comes first. So, it is in the ones place.

