Two True and One False

Your Challenge

Part 1: Each number has three statements. Two statements are true and one is false. Circle the false statement.

$$352$$

The number of hundreds is less than 5.

The digits used in the number add to 10.

The number can be written as 352 hundreds.

$$281$$

The number is 1 ten less than 291.

The number of hundreds is less than the number of ones.

It is the sum of $200 + 80 + 1$

$$564$$

The number of hundreds is more than the number of tens.

It is the sum of 56 tens and 4 ones.

To get from 500 to this number you jump ten 6 times, and then jump 4 ones.

Part 2: Make your own.

1. Write a 3-digit number in each box.

2. Write three statements for each number. Two statements should be true and one should be false.

3. Circle the false statement.

Two True and One False

Answers will vary. Check students' work. Responses should show an understanding of three-digit numbers, place value

Can you make your statements challenging?

Comparing by Reasoning

Your Challenge

How can you compare values on both sides without adding or subtracting? Look at each comparison on the **Recording Sheet**.

Compare without adding or subtracting.

Choose $<$, $>$, or $=$ to make it true.

Explain how you know. You can use words and pictures.

Example:

$$163 + 243 \;\boxed{<}\; 167 + 243$$

I know that the same amount is being added.

I know that 163 $<$ 167.

So, 163 + 243 is less than 167 + 243.

What do you notice about the numbers?

Comparing by Reasoning

Look at the comparisons. Without adding or subtracting, write $<$, $>$, or $=$ to make a true statement.

For each one, explain how you know.

$515 + 301 \; \boxed{=} \; 301 + 515$ **Possible explanation: The same numbers have been used on both sides but in a different order. You can add in any order and the sum is the same.**	$363 + 218 \; \boxed{>} \; 363 + 212$ **Possible explanation: One of the addends is the same on both sides. I know that 218 is greater than 212, so the sum on the left is greater.**
$315 + 207 \; \boxed{>} \; 298 + 174$ **Possible explanation: 298 and 174 are both less than 315 and 207, so the sum on the right will be less.**	$650 - 45 \; \boxed{<} \; 750 - 45$ **Possible explanation: The same number is being subtracted and 650 is less than 750, so I know the difference on the left will be less than the difference on the right.**
$176 - 76 \; \boxed{=} \; 276 - 176$ **Possible explanation: 176 is 100 less than 276, and 76 is 100 less than 176, so the difference on both sides will be the same.**	Make your own: _____ ◯ _____ **Answers will vary.**