

Compare Multi-Digit Numbers

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 9,371 and 9,342.

Use a place value chart.

Thousands Period			Ones Period		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
		9,	3	7	1
		9,	3	4	2

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

Step 1: Compare the thousands.

9,371

9,342

9 thousands \bigcirc 9 thousands

Step 2: Compare the hundreds.

9,371

9,342

3 hundreds \bigcirc 3 hundreds

Step 3: Compare the tens.

9,371

9,342

7 tens \bigcirc 4 tens

So, 9,371 \bigcirc 9,342.

You don't have to compare the ones digits because the tens digits are different.



Show and Grow

Compare.

1. 6,702 \bigcirc 6,708

2. 43,235 \bigcirc 43,235

3. 16,794 \bigcirc 8,227

Practice

Name _____

Compare.

4. $592,485 \bigcirc 592,082$

5. $8,924 \bigcirc 8,955$

6. $61,385 \bigcirc 61,385$

7. $70,124 \bigcirc 80,831$

8. $528,924 \bigcirc 528,921$

9. $161,047 \bigcirc 61,047$

10. $5,000 + 900 + 30 + 6 \bigcirc 5,936$

11. $40,001 \bigcirc$ four hundred thousand, one

12. nineteen thousand, twenty-four $\bigcirc 15,937$

13. $600,000 + 80,000 + 4,000 + 700 + 40 + 2 \bigcirc 684,749$

14. Newton catches 1,563 pounds of fish.
Descartes catches 1,582 pounds of fish.
Who catches less fish?



15. **MP Number Sense** Write all of the digits that make the number greater than 45,071 and less than 48,925.

4 [?] _____,963

16. **Writing** Explain why you start comparing digits on the left when comparing multi-digit numbers.

17. **Modeling Real Life** Use the table to answer the questions.

How many countries consumed more cocoa than the United Kingdom? How many countries consumed less cocoa than France?

Cocoa Consumed (tons)	
Brazil	209,439
France	248,020
Germany	385,808
United Kingdom	242,508
United States	811,301

