Ordering and Comparing Large Numbers

You've been chosen for a special mission to help save the world of numbers! Your task is to compare and order large numbers to unlock secret codes and help our hero (from the image) defeat the chaos of confusion!

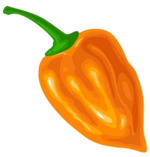
Mission 1: Power of Comparison

Use your super brain to compare the following pairs of numbers using the correct symbol:

(>) Greater than | (<) Less than | (=) Equal to

1. 7,893,241 ______ 7,839,124
2. 45,210,987 ______ 54,210,978
3. 1,002,345 ______ 1,002,345
4. 98,234,567 ______ 89,234,567
5. 123,456,789 ______ 132,456,789

Super Tip! Think about the place value of each digit before deciding.



Mission 2: Order of Magnitude

Put these numbers in **ascending order** (smallest to largest):

- 45,789,102
- 12,345,678
- 89,012,345
- 67,890,123
- 34,567,890

Now, put these numbers in **descending order** (largest to smallest):

- 900,123,456
- 123,456,789
- 876,543,210
- 345,678,901
- 567,890,123

MEGA MIND CHALENGE

The Super City Skyscraper Challenge Scenario:

You've just been hired as the lead architect for Super City, a futuristic metropolis known for its towering skyscrapers. Your mission is to analyse the heights of the tallest buildings in the city and decide the order in which they should appear on the skyline. Here are the heights of some famous Super City skyscrapers:

Sky Tower: 1,234,567 meters
Eagle Spire: 987,654 meters
Infinity Tower: 2,345,678 meters
Titanium Peak: 1,876,543 meters
Starlight Pinnacle: 2,234,567 meters
Crystal Heights: 1,345,678 meters

Your Mission:

Order the skyscrapers from tallest to shortest.
Write their names in order, starting with the tallest building.

Find the difference in height between the tallest and shortest buildings.

Challenge Question:
If a new skyscraper called Lightning Bolt is being built and will be 2,500,000 meters tall, where would it rank on your list?

Discussion Prompt:
Imagine you are designing a skyscraper taller than all the others. How tall would it need to be to break the record? What features would it have?