

## Questions about NARCISSISTIC NUMBERS

### **What does narcissistic mean?**

The word *narcissistic* originates from the Greek myth of Narcissus, a beautiful young man who fell in love with his own reflection in a pool of water, signifying an excessive preoccupation with oneself and one's own image, which is now used to describe someone who is excessively self-centered and absorbed with their own needs, often at the expense of others.

### **Why are these numbers called narcissistic?**

They return to themselves!

### **Are the single-digit numbers 1 through 9 narcissistic?**

There are only 4 narcissistic numbers that have 3 digits.

153 is the first one.

The other three narcissistic numbers are between 365 and 410.

### **Can you find them?**

### **In each pair below, which one is narcissistic?**

1534 or 1634?

8206 or 8208?

9474 or 9484?

**SCROLL DOWN TO SEE ANSWERS**

**Are the single-digit numbers 1 through 9 narcissistic?**

**Yes. Each has one digit, which becomes the exponent. Each single-digits number raised to the power of 1 equals that number. Each returns to itself. Therefore, they are narcissistic numbers.**

There are only 4 narcissistic numbers that have 3 digits.  
153 is the first one.

The other three narcissistic numbers are between 365 and 410.

**Can you find them?**

**370, 371, and 407.**

**In each pair below, which one is narcissistic?**

1534 or **1634**?

8206 or **8208**?

**9474** or 9484?

### **NOTE**

**Mathematicians can use formulas to determine all narcissistic numbers. The largest narcissistic number is 115,132,219,018,763,992,565,095,597,973,971,522,401.**