

Nerdo the Mathnificant Palindromes

Overview

A quick use of palindromes, referred to in previous activity, in working with numbers.

Materials

Overhead

Steps

1. Have a volunteer write down a three digit number.
2. Reverse it and add it to the original.
3. Continue until you get a palindrome.
4. Have people at their tables try a three digit on their own. (if there is a person giving trouble give them 196 to do)
5. Have people try a two digit number. Any patterns?
6. Have people try a one digit number. Any patterns?

Math

Has to do once again with compliments of 9 property.

Example

1. $317 + 713 = 1030$
 $1030 + 0301 = 1340$
 $1340 + 0431 = \underline{1771}$
2. $39 + 93 = 132$
 $132 + 231 = \underline{666}$
3. $8 + 8 = 16$
 $16 + 61 = \underline{77}$