

Name _____

Period Posers

Solve each riddle.

1. Fred: My number has two periods. One period contains the digits 3, 0, and 6 in that order. The other contains the digits 0, 9, and 5 in that order.

Ned: My number has two periods also. One contains the digits 4, 8, and 6 in that order. The other period contains the digits 1, 2, and 7 in that order.

Fred: Yes, but my number is greater than your number.

What are Fred's and Ned's numbers?

2. Ann: My number has two periods. One contains the digits 4, 1, and 8 in that order. The other contains the digit 9.

Jan: My number has two periods. One period contains only 0s. The other has the digits 1 and 0 in that order.

Ann: Too bad, my number must be greater than your number.

Jan: Nope—my number is greater!

What are Ann's and Jan's numbers?

3. Mo: My number has two periods. One period has a 7 in the hundreds place. The other has an 8 in the tens place.

Bo: My number also has two periods. One has a 1 in the hundreds place. The other has a 2 in the tens place.

Mo: All other digits in our numbers are zeros. So how can it be that your number is greater than my number?

What are Mo's and Bo's numbers?

4. Stretch Your Thinking Write your own period poser. Then exchange it with a classmate and solve each other's posers.
