

Three Digit Bagels Puzzles

In the game of *Bagels* you are to determine a 3-digit number (no digit repeated) by taking "educated guesses." After each guess you are given a clue. The clues:

- **bagels** : no digit is correct.
- **pico**: one digit is correct but in the wrong position.
- **fermi**: one digit is correct and in the correct position.

In the puzzle below, a number of guesses have been made in a bagels game with the clue for each guess shown. From the given set of clues, determine the 3-digit number. If there is more than one solution, find them all.

Sample Bagels Puzzle 1

Guess 1	6 7 4	pico
Guess 2	0 3 2	pico
Guess 3	5 1 9	fermi
Guess 4	3 4 9	bagels
Guess 5	5 6 0	pico
Answer:	? ? ?	