

# Digit Place Game

## Focus:

- Number Sense, Logical Reasoning

## Prerequisites:

- None

## Materials:

- A partner, paper, pencil

## Objective:

- Guess the secret number in as few guesses as possible.

## How To Play:

1. Player A picks a two-digit number and secretly writes it down on a piece of paper (the digits should be different).
2. Player B then says any two-digit number, trying to guess the original number.
3. For each guess, Player A tells how many digits in the guess are the same as in the number they picked and how many of the digits are in the same place as the digits in their number.
4. Do NOT tell which digit is correct, just how many are correct. For example, if Player A wrote down the secret number of 43 and Player B guessed 27, Player A would say "no digits are correct." Then, after Player B guesses 13, Player A would say "one digit is in the correct place." Then, Player B might guess the number 14 and the Player A would say "one of the digits is correct but it is not in the right place."
5. Use a chart to record the results. In the example above, the original number being 43, the chart would appear as below:

Guess	Digit	Place
27	0	0
13	1	1
14	1	0

## Variations:

- Increase the difficulty by starting with a three or four-digit number. You can also allow repetition of numbers to increase difficulty.
- Change it up entirely, playing the Letter Place Game by using three or four letter words instead of numbers.

