

# Guess My Number

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## Object of the Game

To correctly guess the secret number by strategically asking yes or no questions.

## Materials

- Printed hundreds chart or
- Interactive hundreds chart:  
[https://www.mathplayground.com/interactive\\_hundreds\\_chart.html](https://www.mathplayground.com/interactive_hundreds_chart.html)

## Math Concepts

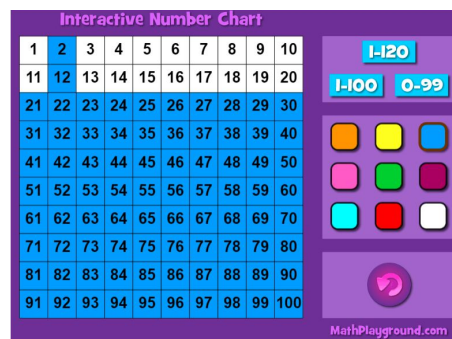
- Place Value
- Number Sense
- Strategic Thinking

## How to Play

In this routine, students ask “yes” or “no” questions to guess your number.

Possible questions:

- Is your number greater/less than \_\_\_?
- Does your number have a \_\_\_ in it?
- Does your number have a \_\_\_ in the ones place? tens place?



In the example above, the secret number is 16. The student asked “is your number less than 20?” The answer was “yes” so the teacher crossed off/shaded the numbers greater than 20. Next, the student asked “does your number have a 2 in the ones place?” The

answer was “no” so the teacher crossed off 2 and 12. Questions continue until the students correctly guess the number.

### Math Talk

I noticed \_\_\_\_.

I wonder \_\_\_\_.

Does your number \_\_\_\_?

Is your number \_\_\_\_?

### Variations

- Play using a number chart with the numerals 101-200.
- Limit the number of guesses in order to encourage students to strategically think of questions that would eliminate many numbers.