

EN DIGIT CODE

8+ | 2-5 | 20
ages | players | min.

For some unknown reason, we now find ourselves in a situation where we must quickly interpret a six-digit digital code. We will analyze this code by gathering various uncertain pieces of information. Its meaning will become clear in our hands, just as it always has. Components: 2 screens and a solution sheet.

Components

2 screens, Solution sheets



◀ Questioner's area

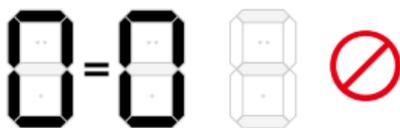
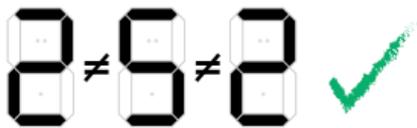
◁ Solution area

Game Setup

Engage in deductive reasoning by asking each other questions to identify the 6-digit code created by your opponent. The first to guess the opponent's code wins.

Each player prepares one solution sheet and a writing utensil. Use the screen to conceal the solution sheet. At the top of the sheet, each player creates their own 6-digit code and writes it on the sheet. Make sure the code is not visible to the opponent. Follow these rules when creating your code:

- Use only digits from 0 to 9.
- Each digit can appear a maximum of two times. Identical digits cannot be placed adjacent to each other, either horizontally or vertically.



Play! (2 Players)

Keep track of the starting player. On your turn, you can ask one of the following four types of questions:

1. How many spaces in (?) row or (?) column are filled? (A-S)
2. Is the number in (?) an even or an odd digit? (T-Y)
3. (Between two adjacent numbers horizontally or vertically)
Which one is larger? (T-Y), (T-Y)
4. Are the spaces (? , ?) filled? (A-I), (J-S)

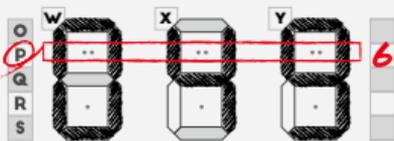
The answering player looks at their code and responds accordingly. During the first round, each player must ask all four types of questions once before continuing with normal gameplay.

[Example]

1. You can select a line and ask how many spaces in that line are filled.

How many spaces are filled
in column P?

Six spaces are filled.



2. You can select a specific number and ask if the number in that space is odd or even.

Is the number W
even or odd?

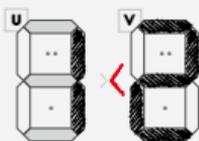
It is even.



3. You can choose two adjacent numbers (horizontally or vertically) and ask which one is larger.

Numbers U or V, which one is larger?

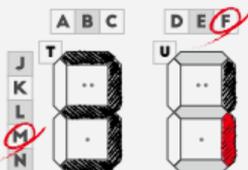
Number V is larger.



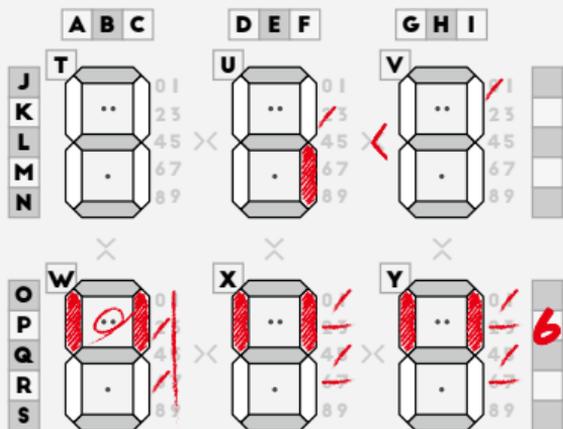
4. You can specify a space and ask if it is filled or empty.

Is the space at (F, M) filled or empty?

It is filled.



Based on these answers, Ada recorded the following on her solution sheet.



Declaring an Answer

If you believe you have correctly deduced the 6 numbers, you can use your turn to propose an answer. The opponent must respond with “Correct” if the answer is entirely accurate or “Incorrect” if even one number is wrong. The player who first gives the correct answer wins. Even if the answer is wrong, you can continue playing. However, if you guess incorrectly twice, you lose immediately.

If the second player proposes an answer and it is correct, the game ends immediately with the second player as the winner. If the first player proposes an answer and it is correct, the second player is given one last chance to propose an answer. If the second player is incorrect, the first player wins. If the second player is correct, the game ends in a draw. In the case of a draw, the game is replayed to determine the winner.

For 3 or More Players

When 3 or more players participate, one player acts as the question master and generates the 6 numbers but does not participate in solving. The remaining players only focus on deducing the numbers. The question master uses a screen to hide the numbers on the solution sheet. The other players decide the order of questioning through an appropriate method.

In games with 3 or more players, during the first round, players ask one question from the four available options instead of asking all four questions. The responses to the questions asked by one player are shared among all participants.

If a player believes they have deduced all 6 numbers correctly, they can propose an answer instead of asking a question. The answer must be announced aloud for everyone to hear. If correct, that player wins. If incorrect, the game continues. A player is immediately eliminated from the game upon making two incorrect guesses.