PRIME NINJA

Are you a master in Mathematics? Conquer prime numbers, factors and be the Prime Ninja!

PRIME NUMBER

A prime number is a number which is divisible by only 1 and itself.

SETUP

Prime Ninja is a two player game. Layout the game board(s) to define the range of numbers on which the players would like to play. Each player chooses a color (red or black) and gets three pawns of the same color. The player who capture most of the prime numbers will win the game. Players can play also game of Multiples for the numbers 2,3 or 4 in the same game board.

Start the Prime Ninja application in your smartphone.

RULES

Game starts with players placing their pawns at positions on the board from the app.

At each turn a player should use any of the 4 operations - , +, /, or * with either 2 or 3 of the numbers on which their pawns are placed to reach a prime number (The player can use the division operation only if a number is perfectly divisible by another number). For example, if the player has his pawns on 12, 10, and 9, the player can perform the following operations (12+10)-9 to get to 13, which is a prime number.

The player can choose the token that he/she moves to capture the prime number. Once the player gets to this prime number, the player can hoist the flag belonging to their team on that prime number. The player then gets a new position from the app to move the token.

To get to a prime number, the player could use one or two operations every time. If the player uses two operations, then the two operations cannot be identical except in the situation that the player decides to use his/her wild card.

In case the player cannot make a prime number during a turn, he/she can still perform operations on 2 or 3 on the pawns and move one of their pawns to the number

formed through the operations.

At any point in the game, if a player has pawns on 3 even numbers, the player can pick a token to change the position of one of his/her pawns to an odd number.

However, the player gets only 3 chances within a turn to get an odd number from the app. If the player does not get an odd number in one turn, the player has to wait for the next turn to try again.

A player can challenge the opponent's operations if they feel are inaccurate. In case the challenge is proven, the opponent will loose a captured prime number or miss a turn (in case no prime numbers have been captured yet).

There are two wild cards in this game which can be used only once in the game by each player. Double Trouble - player can use two operations that are identical during a single turn in the game. The Chosen One - player can use the number ' 1' during any turn to get to a prime number. These wild cards can only be used if the opposing team has already captured 3 prime numbers.

SMARTPHONE APP

The mode of game can be changed from the settings. It can be set to Prime number, Multiples of 2,3 or 4. Clues and positions change according to the game mode.

You can download the app from the following link or QR code.

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