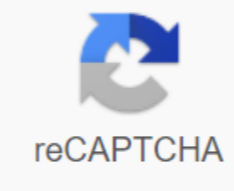




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Pico fermi bagel

Today we look at the logic that underlies the game Pico, Fermi, Bagel. How to play: The game begins with one person secretly selecting a number without repeating numbers. Let's start with the three-digit number. Then others try to guess the number, and whoever chose the number responds to each guess as follows: If the guess doesn't have the numbers correctly, they respond: Beigel. For every digit, when the guess is correct, but in the wrong place, answer: Pico. For every digit, when the guess is correct and in the right place, answer: Fermi. When all three numbers are correct and in the right place, answer: CREAM CHEESE. We will play a few rounds of the game together and then try to solve a couple of problems related to the game. Play this game at home with your family or play online here - Pic, Fermi, Bagel or on Scratch - Pico, Fermi, Bagel Describe Use Example : Versions Of Distribution Describe PFB (Pico, Fermi, Bagles) is a number guessing game similar to MasterMind or Jotto. For each guess, you will be told: Fermia correct figure posted correctly Picoa correct figure posted incorrectly Bagelsno figures are correct Use of PFB New gamestart new game Allow zero possible figures? Digitselect number of numbers (2-6) Give Upsee guesstype response number to guess result from Guess, or select The Result Field for feedback; on Newton, the result is displayed when Guess reaches the correct number of figures Example If you allow zero qlt'gt; - verified, Digits No. 3, and PFB number No. 029 GuessultRescomment 376Bagelsno figures correct 914Pico1 figure correctly, but in the wrong place 820Fermi Pico2 figures correctly, but 1 in the wrong place ... (keep guessing) 092Fermi Pico Picoall figures correctly, 2 in the wrong places 029Fermi Fermi fermi !!! You won a version of Pico Fermi Bagels requires a browser with JavaScript support (or NewtonScript support, i.e. Newt Cape on 2.x Newton with i:General:NewtonScript:Compile preference); besides Cape Newt, it has been tested with Let me know about your experience with other browsers. PFB is similar in concept and strategy to MasterMind and Jotto (but PFB does not allow duplicate numbers). After I first saw Pico Fermi Bagels (PFB) as a major program at the Lawrence Hall of Science in Berkeley in the early 70's, I wrote several versions of the logo. My children convinced me that it was easier to remember Fermi by company (although some programs may change the roles of Fermi and Pico). PFB is a good simple app to try in every new programming/environment language. Update: June 21, 2005: Updated syntax via JSLint and tested with new browsers Steve Other JavaScript Distribution apps This version is free, and can be downloaded locally and mirrored in full. If you copy/change/improve I would appreciate the confirmation of this version and link to this page. © 1999-2007, S. Weier. All the rights of the zlt/tab'gt; Worldwide. Schnlich Video is a super fun game for a wide range of ages. I found it in a great book called Family Mathematics, and I played it with young elementary school students, high school, family, classes, small groups - you name it! I've been playing this game for probably twenty years and it's really always fun once you get the hang of it. All you have to play is a piece of paper and write something. The goal of the game is to guess 4 (or 3) number of numbers correctly. The leader of the game will write a secret number on a piece of paper. Don't let anyone see! Now it's time for everyone else to guess. You can only play with one person, with a small group or with a whole class. As everyone guesses, write down the guess. Then the leader will give a response hint. Hints go like this: Pico means the figure is correct, but it is in the wrong place value or location. Fermi means that the figure is correct and it is in the right value of place or location. Bagels mean nothing is right. (On the side of the note, you may be surprised by the catchy title. Where did these words come from? I'm not 100 percent sure, but here's my best guess: pico means a bit, so when you get pico in the game, it means you're a little right; Fermi is the name of the famous Italian mathematician, so when you get Fermi in the game, you think like a mathematician and gets very close; Well, think about it. What does a bagel look like? Zero! So when you get bagels in the game, it means you got zero correctly.) Keep going until you guess the actual number! When we play the winner gets to lead the next round. A couple of notes about the game: Personally, I like to be cunning and not give clues in order. If you play with very young children who are just learning, you can give them an order. However, this will make the game much, much easier because you will know which number is correct. You can start with 3 or even 2 digit numbers to learn how to play. Encourage yourself and others to look for patterns and use strategies that eliminate opportunities and narrow your choices. Enjoy the game! It's a cool, mathematical way to pass the time on a boring car ride or use the last ten minutes of class after everyone has finished the test. Have fun with math every day! Years ago, before my husband, children, or gray hair, I taught in the first class at a girls' school. The first-grade teacher played a fun math game she played with her students. I've never seen children react like that to a math game. They'll beg to play. He made a great filler time if there were a few minutes left at the end of the day. I've always been amazed at watching the gears in the girls' heads as they played the game. I loved the math game so much, I later went to the game game preschool and kindergarten class. When my kids should be old enough, I introduced it to them as well and now they are often asked to play. The game is called Bagel, Pico, Fermi. Now, you may be wondering: What is Bagel Pico Fermi and how can I play? Read on... Bagel Pico Fermi is a mathematical game where one person records 3 or 4 numbers of numbers and guesses try to figure it out based on the elimination process and strategy. If you've ever played a infusion game Mastermind, it's like that. In this game you can play with pencil and paper or white board and dry erasure markers. We prefer to play it with a small board and dry to erase the markers because it retains the paper. There are several variations on the game that will adjust its complexity. I'm going with three of them. The first variation is the easiest, most basic way to play and works well with new players or young children. I played this version with kids as young as four, but my second graders love it as well. In this version, the child calculates the three-digit number (without repeating numbers) and writes it down on a piece of paper. They hide this paper from other guesses, although the person who writes on the board can see it. With younger children, it's helpful to make an adult be a writer. As older kids get more experienced with the game and its rules, they can take over the writer's duties. Guess in turn guesses a three-digit number. The first guess is usually a shot in the dark. The writer writes down the first guess and then writes the 3 letter code next to it. Bagel (B) means the number is not correct - not in response at all. Pico (P) means the number is correct, but it is in the wrong place. Fermi (F) means the number is correct and is in the right place. In this version, each letter refers to the appropriate number - the first letter reflects the correctness of the first number and so on. The easiest way to explain the game is to show you. In the example above, my daughter chose number 987. The first guessed 123. This number was recorded along with the letters BBB next to it, as none of the numbers were in the room. The next guess was 456 and as you can see that received BBB also since none of those figures appeared in the number. Guess then knew that the numbers should be 7, 8 and 9, and shockingly, the next guess was 987! Using the information they had learned from the two previous guesses, my children were able to figure out the number on the third guess. Believe me, it's quite rare. Once you've mastered the three-digit number, you can move on to four digits without repeating the numbers. This process is very similar, but it is more complex because there are now more numbers that need to be guessed and put in the right order. As you can see, it's much more guesswork to find out. When it's my five year old turn to guess it was a little confused that the numbers weren't guessed yet so we wrote all the possible options at the bottom and struck out the ones that were eliminated. She was very proud of herself when she finally realized it. Another, even more complex variation of the mathematical game Bagel Pico Fermi is for the writer to write letters at random. Instead of each letter referring to the appropriate number, they are not in a certain order. So if the writer writes Fermi Pico Pico, it does not mean that the first figure is necessarily correct. (This is the same approach used in Mastermind.) Oh, and for the real problem (for older children and adults), allow duplicates as well. This is a fun game to play on long car rides and really sharpens the reasoning and deductive skills. Try and tell me what you think! If you liked this bagel pico farm math game, check out: Clothespin Mathematics Ice Cream Mathematics Games Want More MESS? Mess? pico fermi bagel online. pico fermi bagel meaning. pico fermi bagel origin. pico fermi bagel video. pico fermi bagel wikipedia. pico fermi bagel java code. pico fermi bagel directions. pico fermi bagel app

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