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Since its inception in 1980, Rubik's Cube has been a popular puzzle toy that has puzzled and fascinated people around the world. Rubik's Cubes are available in a variety of sizes, colors and shapes. If you're a beginner, a smaller puzzle like the 2x2 poses a less daunting challenge. Those who want the classic puzzle should consider a 3x3 cube. If you are a speedcuber and plan to test your cube resolution capabilities, you should look for a cube designed to twist easily. For a larger puzzle that takes a little more skill to master, the 4x4 or 5x5 cube can meet your needs. There is also a variety of Rubik's cubes in unconventional shapes and colors. Whether you're aiming for a new speed record or just want to solve the classic puzzle for the first time, there are plenty of puzzles to choose from. Rubik's Cubes goes from small to large, easy to difficult. To learn more about the varieties of this classic puzzle, continue to read our buying guide. If you want to jump right at the resolution of a Rubik's Cube, check out our favorites. History of Rubik's Cube In 1977, Hungarian professor Erna Rubik released his toy Magic Cube, but it was not until 1980 that the toy received a worldwide release, this time under the name Rubik's Cube. The toy took off quickly, and to this day it remains one of the best-selling puzzles. The classic 3x3 Rubik's Cube has six colors and can be twisted in any direction to solve (or scramble) the puzzle. The six central cubes always remain in the same place, while the edges and corners can be moved around the cube. Although solving a Rubik's Cube is difficult, there are several step-by-step methods to do so. Many Rubik's Cubes include a resolution guide, and there are many online tutorials available. Did you know that? Solving a Rubik's Cube isn't the only thing you can do with it. You can also learn different patterns, which can be created from a resolved state. STAFFBestReviewsString do you solve the iconic puzzle for the first time, or do you intend to compete and use advanced tricks to solve it with lightning speed? How big is a puzzle do you want? There are several different Rubik's cubes to choose from, designed for puzzlers of all ages and skill levels. Size Rubik's Cubes are in 2x2, 3x3, 4x4 and 5x5. The larger the cube, the more difficult the challenge. 2x2: This puzzle has 8 cubes and 24 panels in six classic colors. While some people argue that the 2x2 is harder than the 3x3 because it is easier to undo your work, it actually requires fewer steps and much less time for If you're ready to learn the puzzle, or if you're buying a cube for a young puzzle-solvent, this is a great place to start. More experienced cubers can enjoy this little puzzle as well. 3x3: This is the classic cube. It has 27 cubes with 54 panels and takes most speedcupers one or less to solve. 4x4: This cube is similar to the 2x2 in that it lacks central parts. With 64 cubes and 96 panels, there are almost twice as many to solve as the 3x3 cube. You can use a 4x4 cube as a 2x2 by not twisting the outer layers. 5x5: This is the biggest challenge of all, with 125 cubes and 150 panels. This puzzle takes much longer to solve than small cubes, but solving it is also much more rewarding. ColorsThe classic colours of Rubik's Cube are white, blue, green, yellow, red and orange. White is in front of yellow, green is opposite blue, and red is in front of orange. Some Rubik's Cubes have unusual colors like silver or grey. Some cubes even have textured tiles. These alternative cubes can make a fun challenge for experienced cubers. Specific movements that help you steer properly and exchange parts are called algorithms. There is an algorithm for just about any maneuver on a Rubik's Cube. ACEBestReviewsOnce you know what size cube you want, consider additional factors as if a speed cube is right for you or if you prefer tile stickers. Some Rubik's Cubes also include accessories. Stickers vs. tilesStickers: This is the classic choice and the standard on most Rubik's cubes. However, stickers can lose color over time and may fade, especially if you are a speedcuber. If you opt for a cube with stickers, you may also want a bag or protective case to protect your cube and stickers. Tiles: These cubes are much more robust and will not lose color over time. This is the popular choice among speedcupers, but beginners can enjoy the look and feel of the tiles as well. Speed CubesThe idea of speedcubing may seem unfathomable to newcomers, but only a few months of practice could make you run to beat your record time. Speed cubes are designed for extremely fast turns. The edges are slightly more rounded than those of an ordinary cube, which prevents the cube from locking. The springs of the rotation mechanism are looser, allowing for quick and precise turns. Many speed cubes include a tuning tool so you can adjust the springs to your desired tightness. Adjusting your cube can also help you ensure that the waterproofing on all sides is even. Unusual shapes and sizesSo Rubik's Cubes can twist into weird shapes, and some of them are not cubes at all. Color Block: A puzzle like the color block Rubik is not made of small cubes. Instead, it has irregularly shaped parts. Although it still forms a cube when solved, strange blocks allow for a variety of jagged shapes when the cube is scrambled. Tour: Alternative sizes like the 2x2x4, present a fun touch on the puzzle and can be turned into different shapes when scrambled. Mini: The Keyring Cube and other mini cubes work like the traditional 3x3, but on a smaller scale. Animals: If you are looking for a puzzle for a As a child, there are several Rubik's animal-shaped products to choose from that are easy to solve. Accessories Some rubik cubes come with additional accessories like a display holder, protective bag, or adjustment tool. If you are planning to cubing a hobby, consider a cube that comes with some extras. Did you know that? Even after mastering the Rubik's Cube, it will always feel like a different puzzle every time because each jamming is different. STAFFBestReviewsInexpensive: Rubik's Cubes that cost from \$5 to \$10 include basic 3x3 and 2x2 cubes and Rubik's Junior Cubes. These products are a great starting point for anyone looking to get into cubing. However, they are limited when it comes to speedcubing. Mid-range: For \$10 to \$20 are speed cubes and unconventional shapes and colors. Large cubes like the 4x4 can fall into this range. Expensive: Rubik's cubes in the \$20 to \$30 range are generally 5x5 cubes or cubes with unconventional shapes. You should only look into this range if you are hoping for a more difficult puzzle. Rubik's Cube solve tipsWhile a common beginner method solves the cube one layer at a time, there are countless ways to approach this classic puzzle. Start by solving one side of the cube. Remember that this means not only finding all the panels of a color, but also organizing the edges of the cubes so that they align with other faces. Start with the same colored face each time. It will help you identify which room is going where faster. Remember which colors are in front of each other. Then learn which colors have adjacent sides. Don't be afraid to temporarily undo your past work. As you are nearing completion, it will be necessary to briefly scramble the cube in order to get pieces where they need to be. Any movement can be cancelled if you remember your last steps. Other products we have consideredAlth that we think our main recommendations represent some of the best 3x3 and 2x2 Rubik cubes available, there are a few other sizes to consider. For a mini cube that can both show off your favorite hobby and be solved like a classic rubik's Cube, the Winning Moves Games Rubik's Key Ring is a fun accessory and the perfect gift for cuber. For a much bigger challenge, the 4x4 Winning Moves Games Rubik's Cube is a big step forward compared to the 3x3. Although you'll need to learn a new resolution method and some new algorithms, it's all part of the fun. Once you've conquered this, you can upgrade to the 5x5 Winning Moves Games Rubik's which adds 61 cubes for a massive puzzle. Although you'll have to learn a few extra moves, most of the techniques that work with the 4x4 also work on this cube. FAQQ. Is Rubik's Cubes safe for young children? R. Due to the possibility of coins coming out, rubik's cubes is recommended for children aged eight and over. Although the puzzle is too difficult to solve for most young children, children, can enjoy twisting and turning the cube. Q. Can a Rubik's Cube be dismantled? A. Yes, and many speedcupers regularly take their cubes apart to lubricate and adjust them. To disassemble a cube, turn the top layer 45°. Then take an edge cube out of the top layer. It should be released if you lery with your thumb. From there, the rest of the parts should come off easily. Q. Are there other puzzle cubes that are not made by Rubik's? A. Yes. Since the expiry of the patent for the original Rubik's Cube, many other companies are now producing similar cubes. In most cases, these are specifically designed for acceleration. There are many strategies to solve a Rubik's Cube, but there is a basic method most Cubers learn first. With the cube facing you, rotate around until the same colored squares appear in a cross or sign more. Keep in mind that the center square is static. If the side you first chose to solve has a white center square, you will want to line up other white squares to form a cross. Advertising From now on, it's getting a little more complicated. After forming a white cross, look for white corner pieces. To do this, you will make a counter-intuitive move: place the top corner piece in the bottom row below its final destination. Then move the line in this sequence: Ri, Di, R and D. Repeat until the top corner pieces are in place and the first side of your Rubik's Cube is resolved. Turn the cube over and place the resolved side down. Your task is to make the edge pieces in the center layer all the same color on the side that is now facing you. This will require a two-part mini-strategy. First, you will perform U, R, Ui, Ri, Ui, Fi, you and F to create a vertical range, of the same color in the middle of the cube. Second, you will move Ui, Li, U, L, U, F, Ui and Fi to move all the edge parts to the appropriate location. At this point, the bottom line and the second row of your cube must be resolved all around. To solve the top and final line, you will create a yellow cross using a prolonged series of rotations. Keep in mind that you may need to do this sequence several times to solve the last piece of the puzzle: R, U, Ri, U, R, U, You and Ri. From there, it is simply a matter of setting up the yellow edges. If you have a massive yellow edge (the three yellow squares lined up), turn your cube to place the resolute edge at the back. However, you may not have yellow edges that are resolved. In this case, you'll have to experiment know which direction is most effective. While you're shooting, follow the sequence: U, R, Ui, Li, U, Ri, Ui and L. You'll need to repeat this two or four times to solve each corner, but soon your Rubik's Cube will no longer be a mystery [source: Science Buddies, You Can Do the Cube]. Page 2 As any experienced puzzle will tell you, there is no quick and easy way to master 3D puzzles. Like everything pursuit, it requires a lot, a lot of practice and experience with a wide variety of puzzles. Puzzles also require a certain type of intelligence. It's no coincidence that some of the best puzzles are computer engineers or programmers -- methodical problem solvers who can think mathematically and sequentially. That said, many puzzles rely on a secret that, once revealed, makes the puzzle much easier to solve. In 1981, just one year after the Rubik's craze hit the United States and England, a 12-year-old British schoolboy named Patrick Bossert distributed a small pamphlet entitled You Can Do the Cube that purported to reveal the secret movements behind solving the popular puzzle [source: Rubik's]. The mini-book, which quickly sold 1.5 million copies, helped create the ingot that Rubik's fans still use today. Rubik's Advertising now has a website called You Can Do the Cube where beginners and frustrated alumni can learn Bossert's method. Here are Rubik's first tips and tricks: on a classic cube of 3 by 3, the six middle pieces do not move. The color of these pieces is therefore the color on this side. To learn the secret algorithms to solve the cube, you must first learn the names and symbols representing each side of the cubeThe side facing you (regardless of color) is the front (F); the side away from you is the back (B), the top side is at the top (U), the bottom is down (D), and the right and left side are (R) and (L). A basic turn is a quarter turn on one side clockwise. Thus, the R symbol means that you turn the right side a quarter of a turn clockwise. The Ri symbol means straight reverse, which is a right-sided turn in the opposite direction of the clockwise. All cubes can be solved in six steps, starting with the completion of a cross on one side. Download the you can make the cube website step-by-step instructions or watch the videos to learn the algorithms -- sequenced movements like Fi U Li Ui -- that can work any piece in its desired place on the cube. The beauty of many 3D puzzles is that they come with their own instructions. These complex Japanese puzzle boxes are meant to be opened, but only by the owner, who can no doubt keep the steps secret. The same goes for many 3D puzzles that are really more like wooden models of ships, buildings, or animals. Paul Gallant's 3D puzzles -- sold under the names Wrebit and De Puzz3D -- don't come with step-by-step directions, but detailed diagrams of the puzzle finished from multiple angles and tips for locating corner and hidden pieces whose location is unclear from the images. For more information on puzzles, games and puzzles, see the links on the next page. Page. Page.

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