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Less than a year later, the mathematicians Alex Selby and Oliver Riordan solved the puzzle and claimed the prize. The creator of the puzzle, the controversial Christopher Monckton, said at the time he had to sell his house to raise the prize money. The origins of Tangram stretch back to the third century Chinese mathematician Liu Hui. Among many other accomplishments, Liu Hui used rearrangements of geometrical shapes to elegantly explain mathematical facts such as the Gougu Rule, also known as Pythagoras' Theorem. Animation by William B. Faulk, CC BY-SA 4.0, via Wikimedia Commons, CC BY This rearrangement approach to geometry was later evident in the creation of 12th century Chinese banquet tables (rectangular tables designed to be arranged into patterns that might please or entertain dinner guests). A different version, known as a butterfly table, was popularised in the early 17th century and featured a broader variety of shapes. A surviving table set can be seen in the Lingering Garden (Liu Yuan) which is part of a UNESCO World Cultural Heritage site in Suzhou. The Tangram was popularised as a puzzle game around the year 1800. Shutterstock The Tangram craze According to The Tangram Book by Jerry Slocum and other authors, the Tangram was popularised as a puzzle game around the year 1800. They report the inventor, an unknown Chinese person using the pen name Yang-Cho-Chu-Shih ("Dimwitted recluse"), published Ch'i ch'iao t'u ("Pictures Using Seven Clever Pieces"), a book containing hundreds of Tangram puzzle shapes. Patterns from a Tangram puzzle and solution books, China c. 1815 (British Library 15257.d.5, 15257.d.14) British Library This sparked a craze for the game in China. Other Tangram puzzle books were soon published, with some eventually making their way to Japan, the United States and England, where they were translated and extended. During 1817-18, the Tangram craze spread like wildfire to France, Denmark and other European countries. Worldwide interest in Tangram has endured ever since. An educational tool harbouring a paradox or two The lasting popularity of Tangram might partly be due to it allowing so many shapes with so few pieces. Researchers have found that Tangram can help students' visual and geometric thinking and even their arithmetic skills. Tangram may help in the assessment of children's learning of written languages and of their emotional regulation skills. For most people, though, Tangram is just a fun and creative challenge. There are also some Tangram "paradox" puzzles discussed in The Tangram Book and elsewhere online, where Tangram pieces are arranged to make two seeming identical shapes (but where one appears to have a leftover piece). The two monks Tangram paradox. AlphaZeta, CC0, via Wikimedia Commons, CC BY Can you explain the "paradox" - why one has a triangular "foot" and the other does not, even though both images use all seven pieces? As a bonus challenge, perhaps you can solve the similar infinite chocolate bar "paradox" popularised on Instagram and TikTok. Good luck and happy puzzling! Read more: Learn how to make a sonobe unit in origami - and unlock a world of mathematical wonder The Tangram Puzzle, the most famous of all the Chinese puzzle has a truly spectacular legend behind it. Reputed to have been invented during the Song Dynasty by a master glassmaker who had been commissioned to construct a pane of glass for the royal palace - as the first window for the King. This pane was significant not only as it was the first window of the royal palace but also as it was a perfect square, sumptuously worked by the skilled hands of the sage. Transporting the pane was a great responsibility, as such it was wrapped in protective layers of the finest silks, leather and canvas in all the land- supposedly assuring the panes successful arrival at the palace unbroken during its arduous journey. The artisan carefully travelled the barren planes of ancient China in pursuit of the glorious royal palace. After many days of travel the artisan finally came upon the edge of a mountain, with the castle within the hazy distance. With the royal palace now within site the artisans focus waned for an instant. While peering off into the distance in awe of the castle, he didn't notice the tiniest pebble, upon which he stumbled and fell. Before the artisan realized he was tumbling head first down the mountain, wrapped pane in tow. When he stopped at the base, he urgently unwrapped the pane finding to his astonishment that the pane had magically broken into 7 clean breaks. There was one square, one parallelogram and five triangles. The sage tried to fit the pieces back together in the shape of the original square. At first he made a rectangle. Next he came up with a parallelogram. Finally, after many attempts, he was able to slide the pieces into the perfect square. He then realized the infinite amount of combinations and interesting shapes that could be made by arranging the pieces. He dragged the remaining segments across the desert until he finary arrived at the palace, exhausted. Upon arriving at the palace presented the pane, but not as the perfect square piece that had been commissioned, but instead he used the pieces of broken glass, and its infinite possibilities, to illustrate his journey. The king was astounded at the creation and spent the coming days arranging the glass himself back to a perfect square, without ever placing the pane as the first window in his castle. Soon the puzzle was reincarnated in wood, shell and metal and spread across the land. Its popularity as a puzzle grew until it was known as the most popular puzzle in the land. This, sadly is a piece of pure fiction, apart from the popularity of Tangram which are indeed exceptionally popular to this day. The puzzle was originally popularized in Europe thanks to the "Eighth Book of Tan", which was released in 1818, a year after the first tangram had reached the shores of the US. Arriving on canton and clipper ships. The fad exploded and was soon popular across Europe, much like the Rubik' cube in more recent times - thanks mainly to the release of the "The Fashionable Chinese Puzzle" book and its solutions. One of the key reasons for the exploding popularity of Tangrams was that the Catholic Church, did not allow for recreational activities on the Sabbath, but did allow for puzzles to be played. The tangram puzzles consists of seven flat pieces and a collection of simple outline diagrams and silhouettes and have been popularized not just as puzzles, but also as tables, dishes and seating arrangements in design. Last Updated on January 25, 2024 by Gamesver Team and JC Franco Have you stumbled through a Tangram puzzle before? These mind-bending puzzles are intriguing. It seems simple on the surface - it's just seven blocks that you need to arrange in a respective space. But make no mistake, as they can be deceptively complex. They can leave you rotating pieces to the point where you give up and look for the solution. The legend surrounding the Tangram puzzle is fascinating. Of course, variations of the story exist, along with a vague history of who invented it and how it came to be. Here's what we'll cover in this article. The Legend of the Tangram. Samuel Loyd made up a hoax about the Tangram's history. Origin of the Tangram puzzle. In the 19th century, the puzzle was used in schools today to help illustrate mathematical concepts and develop mathematical thinking skills. Tangram puzzles allow children to build their knowledge of geometric terms. Since these puzzles are great at helping kids develop an appreciation of arithmetic, spatial relation, and problem-solving, many teachers favor the use of Tangram puzzles over other games. In addition, both children and adults often enjoy creating their shapes by organizing the pieces of a Tangram. As a result, these dissection puzzles are widely accepted by many around the world. Now available on websites and app stores, Tangrams continue to survive until today. From the inception of Tangrams to its continuity today, they are still a fan-favorite dissection puzzle. Though people have exaggerated the puzzle's history and whereabouts, it has not prohibited the popularity of this game. We hope you found the legends of the Tangram puzzle enjoyable. Pick up some Tangrams and get cracking. Happy playing! Tangram is accessible yet challenging, and an excellent educational tool. It's still used in schools today to help illustrate mathematical concepts and develop mathematical thinking skills. Tangram puzzles originated in Imperial China during the Tang Dynasty, they are thought to have travelled to Europe in the 19th century on trading ships. Tangram puzzles were popular during World War 1 and have become the most popular dissection puzzle in the world. Besides, tangram patterns have also been described as early psychological tests. Tangram patterns are called in China "Chin-Chiao Pan" meaning intriguing seven piece puzzle. A book published in China in 1815 by Shan-Chiao contains 374 puzzle patterns. Early Chinese mathematicians manipulated geometric shapes in their problem solving. A technique that is still applied in classrooms today, inter alia, through the use of tangrams. Published on May 30, 2023 The Tangram originated somewhere in China. It is not know when the first Tangram made its appearance, but it was certainly long ago, before the first known book was ever printed in China. Some believe the Tanika people discovered the trinket and used it to entertain western sailors who came to trade with them. Others hold onto the legend that a Chinese tile maker accidentally dropped a ceramic tile, and it broke into pieces exactly in the form of the Tangram. The tile maker knew it was once a perfect square tile, but could not figure out how to put it back together. In current times, the Tangram is not only used to entertain and dumbfound, but it is also used in school competitions to see what kinds of shapes can be formed with the seven simple pieces. Below are just a few examples of the shapes you can form. See if you can make them, or have fun and create some of your own. Person Running Rabbit Horse CandleSwan Dog Return to Puzzle Click here Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution — You must give appropriate credit — provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. 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Faulk, CC BY-SA 4.0, via Wikimedia Commons, CC BY This rearrangement approach to geometry was later evident in the creation of 12th century Chinese banquet tables (rectangular tables designed to be arranged into patterns that might please or entertain dinner guests). A different version, known as a butterfly table, was popularised in the early 17th century and featured a broader variety of shapes. A surviving table set can be seen in the Lingering Garden (Liu Yuan) which is part of a UNESCO World Cultural Heritage site in Suzhou. The Tangram was popularised as a puzzle game around the year 1800. Shutterstock The Tangram craze According to The Tangram Book by Jerry Slocum and other authors, the Tangram was popularised as a puzzle game around the year 1800. They report the inventor, an unknown Chinese person using the pen name Yang-Cho-Chu-Shih ("Dimwitted recluse"), published Ch'i ch'iao t'u ("Pictures Using Seven Clever Pieces"), a book containing hundreds of Tangram puzzle shapes. 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