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Donald duck in mathmagic land worksheet answer key

Duck mathmagic donald in mathmagic land worksheet pdf answer key. Donald in mathmagic land worksheet answer key. Donald duck mathmagic land worksheet answers. Donald duck in mathmagic land answers.

Want more? Advanced embedding details, examples, and help! 1959 Donald Duck cartoon Donald in Mathmagic Land1988 VHS coverDirected byHamilton Luske(supervising)Wolfgang ReithermanLes ClarkJoshua Meador(sequences)Written byMilt BantaBill BergHeinz HaberProduced byWalt DisneyStarringClarence NashPaul FreesNarrated byPaul FreesCinematographyEdward ColmanEdited byLloyd L. RichardsonMusic byBuddy BakerProductioncompanyWalt Disney ProductionsDistributed byBuena Vista Film DistributionRelease dateJune 26, 1959 (1959-06-26) Running time27:35CountryUnited StatesLanguageEnglish Donald in Mathmagic Land is a 1959 American live-action animated featurette produced by Walt Disney Productions and featuring Donald Duck. The short was directed by Hamilton Luske (with Wolfgang Reitherman, Les Clark, and Joshua Meador as sequence directors) and was released on June 26, 1959.[1] It was nominated for an Academy Award for Best Documentary (Short Subject) at the 32nd Academy Awards, [2] and became a widely viewed educational film in American schools of the 1960s and beyond.[3] Plot 1: Very Strange The film begins with Donald Duck, holding a hunting rifle, passing through a doorway to find that he has entered Mathmagic Land. This "mighty strange" fantasy land contains trees with square roots, a stream flowing with numbers, and a walking pencil that plays tic-tac-toe. A geometric bird recites (almost perfectly) the first 15 digits of pi. Donald soon hears the voice of the unseen "True Spirit of Adventure" (Paul Frees), who will guide him on his journey through "the wonderland of mathematics". 2: The Time Of Pythagoras Donald is initially not interested in exploring Mathmagic Land, believing that math is just for "eggheads". When "Mr. Spirit" suggests a connection between math and music, though, Donald is intrigued. First, Donald discovers the relationships between octaves and string length which develop the musical scale of today. Next, Donald finds himself in ancient Greece, where Pythagoras and his contemporaries are discovering these same relationships. Pythagoras (on the harp), a flute player, and a double bass player hold a "jam session" which Donald joins after a few moments using a vase as a bongo drum. Pythagoras' mathematical discoveries are, as the Spirit explains, the basis of today's music, and that music would not exist without "eggheads". The segment ends with a sequence of live action musicians playing both jazz and classical music and Pythagoras' pals fading away. 3: The Golden Rectangle After shaking hands with Pythagoras, who then vanishes, Donald finds on his hand a pentagram, the symbol of the secret Pythagorean society. The Spirit then shows Donald how the mysterious golden section appears in the pentagram. Next, the pentagram is shown to contain the pattern for constructing golden rectangles many times over. According to the Spirit, the golden rectangle has influenced both ancient and modern cultures in many ways. Donald then learns how the golden rectangle appears in many ancient buildings, such as the Parthenon and the Notre Dame cathedral. Paintings such as the Mona Lisa and various sculptures such as the Venus de Milo contain several golden rectangles. The use of the golden rectangle is found in modern architecture, such as the United Nations building in New York City. Modern painters have also rediscovered the magic of the golden rectangles. 4: Mathematical Forms In Nature The Spirit shows Donald how the golden rectangle and pentagram are related to the human body and nature, respectively. The human body contains the "ideal proportions" of the golden section; Donald, overinterpreting the Spirit's advice, tries to make his own body fit such a proportion, but his efforts are to no avail; he ends up "all pent up in a pentagon". The pentagram and pentagon are then shown to be found in many flowers and animals, such as the petunia, the star jasmine, the starfish, the waxflower, and with the help of the inside of a nautilus shell, the Spirit explains that the magic proportions of the golden section are often found in the spirals of nature's designs, quoting Pythagoras: "Everything is arranged according to number and mathematical shape". 5: Mathematics in Games Donald then learns that mathematics applies not only to nature, architecture, and music, but also to games that are played on geometrical surfaces, including chess, baseball, American football, basketball, hopscotch, and three-cushion billiard. Donald even volunteers the game Tiddlywinks, but the Spirit does not pursue this option. Themes of Lewis Carroll's 1871 novel Through the Looking-Glass are scattered throughout the chess scene; Carroll himself was both a writer and a mathematician. The extended billiards scene, which features a non-speaking live actor, shows the calculations involved in the game's "diamond system", and Donald finally learns how to do the calculations, though he ends up making it tough for himself, spectacularly hitting ten cushions in a single shot nonetheless. 6: Mathematical Thinking The Spirit then asks Donald to play a mental game, but he finds Donald's mind to be too cluttered with "Antiquated Ideas", "Bungling", "False Concepts", "Superstitions", and "Confusion". After some mental house-cleaning, Donald plays with a circle and a triangle in his mind, he spins them to make them respectively into a sphere and a cone, and then he discovers useful inventions such as the wheel, train, magnifying glass, drill, spring, propeller, and telescope. Donald then discovers that pentagrams can be drawn inside each other indefinitely. Therefore, numbers provide an avenue to consider the infinite. The Spirit states that scientific knowledge and technological advances are unlimited, and the key to unlocking the doors of the future is mathematics. By the end of the film, Donald understands and appreciates the value of mathematics. The film closes with a quotation from Galileo Galilei: "Mathematics is the alphabet with which God has written the universe". Cast Clarence Nash as Donald Duck (voice) Paul Frees as The True Spirit of Adventure / Narrator (voice), and the Pi creature (voice) June Foray as the Chess Queen (voice) Daws Butler as the Chess King (voice) Roman Yanez as The Billiards Player Production The film was directed by Hamilton Luske. Contributors included Disney artists John Hench and Art Riley, voice talent Paul Frees, and scientific expert Heinz Haber, who had worked on the Disney space shows. It was released on a bill with Darby O'Gill and the Little People. In 1959, it was nominated for an Academy Award for (Best Documentary - Short Subjects).[4] In 1961, two years after its release, it was shown as part of the first program of Walt Disney's Wonderful World of Color with an introduction by Ludwig Von Drake. The film was made available to schools and became one of the most popular educational films ever made by Disney. As Walt Disney himself explained, "The cartoon is a good medium to stimulate interest. We have recently explained mathematics in a film and in that way excited public interest in this very important subject." [5] Releases 1959 - Mathmagic Land (VHS) 2007 - Donald in Mathmagic Land (DVD exclusive to the Disney Movie Club) 2009 - Donald in Mathmagic Land (DVD) In other media A comic book adaptation was made, scripted by Don R. Christensen, pencilled by Tony Strobl, and inked by Steve Steere. However, this version differs in some ways from the original film version, providing a better context for Donald's excursion into Mathmagic Land.[7] The House of Mouse episode "Gone Goofy" features an advertisement for Mathmagic Land at the end. In the 2023 Ted Lasso episode "Sunflowers," Lasso consumes what he believes to be psychedelic drugs and begins to hallucinate about the geometry of triangles. The style of animated hallucination sequence is visually similar to that of Donald in Mathmagic Land, and Lasso also hears the voice of The True Spirit of Adventure (voiced by Corey Burton) explaining the significance of the triangle. References ^ Lenburg, Jeff (1999). The Encyclopedia of Animated Cartoons. Checkmark Books. pp. 74–76. ISBN 0-8160-3831-7. Retrieved 6 June 2020. ^ "The 32nd Academy Awards (1960) Nominees and Winners". oscar.org. Archived from the original on 6 July 2011. 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