

hidden figures questions and answers

Hidden Figures Questions and Answers: Uncovering the Untold Stories of NASA's Brilliant Women

Introduction:

The inspiring story of Katherine Johnson, Dorothy Vaughan, and Mary Jackson, as depicted in the acclaimed film "Hidden Figures," captivated audiences worldwide. But beyond the cinematic portrayal, lies a wealth of fascinating details about their lives, contributions to NASA, and the broader context of racial and gender inequality they overcame. This comprehensive guide dives deep into the "Hidden Figures" narrative, providing answers to frequently asked questions and exploring lesser-known aspects of these remarkable women's journeys. Prepare to uncover untold stories and gain a deeper appreciation for their invaluable contributions to the space race and beyond.

I. The Mathematical Minds Behind NASA's Success:

Who were Katherine Johnson, Dorothy Vaughan, and Mary Jackson? Katherine Johnson was a brilliant mathematician specializing in trajectory analysis, whose calculations were critical for Project Mercury and the Apollo missions. Dorothy Vaughan was a visionary leader in the field of computer programming, pioneering the use of IBM machines at NASA. Mary Jackson broke barriers as NASA's first Black female engineer, working tirelessly to overcome systemic racism and sexism.

What were their specific roles at NASA? Katherine Johnson's expertise in calculating orbital mechanics was indispensable. She manually checked computer calculations, ensuring accuracy in crucial mission parameters. Dorothy Vaughan managed a team of "human computers," transitioning them from hand calculations to programming electronic computers, showcasing her adaptability and foresight. Mary Jackson's engineering work focused on wind tunnels and data analysis, contributing significantly to aerodynamic research.

How did their work impact the space race? Their contributions were paramount. Katherine Johnson's calculations ensured the success of Project Mercury, the Friendship 7 mission, and the Apollo 11 moon landing. Dorothy Vaughan's leadership in transitioning to electronic computing streamlined NASA's operations and laid the groundwork for future advancements. Mary Jackson's engineering expertise contributed to improved aircraft and spacecraft designs.

II. Overcoming Systemic Barriers: Race and Gender in the 1960s:

What challenges did they face due to racial segregation and sexism? All three women faced immense challenges. Segregation relegated them to separate facilities and limited opportunities. Sexism restricted their career progression and often undermined their expertise. They faced daily indignities and overt discrimination, yet persevered with remarkable determination.

How did they overcome these obstacles? Their resilience, coupled with innate talent and unwavering dedication, formed their primary weapons against adversity. They supported each other, creating a strong network of mutual encouragement and empowerment. Their unwavering commitment to excellence silenced doubters and ultimately forced a re-evaluation of systemic biases.

What impact did their struggle have on the fight for civil rights and gender equality? Their achievements served as powerful symbols of hope and inspiration for future generations. Their stories became beacons, illuminating the paths of countless women and people of color striving for equality and challenging deeply entrenched inequalities.

III. The Legacy of Hidden Figures:

What is the lasting impact of their work? Their contributions are immeasurable. Their calculations paved the way for numerous space exploration milestones and continue to influence aerospace engineering today. Their legacies extend beyond science, however, inspiring generations to pursue STEM fields and fight for social justice.

How are their stories being shared and remembered today? The film "Hidden Figures" played a crucial role in bringing their stories to a wider audience. Numerous books, documentaries, and educational initiatives continue to celebrate their achievements and highlight their significance. They serve as role models for aspiring scientists, engineers, and activists worldwide.

What can we learn from their experiences? Their stories underscore the importance of perseverance in the face of adversity, the power of collaboration, and the profound impact of diversity and inclusion in scientific endeavors. Their legacies serve as a powerful reminder that everyone deserves the opportunity to contribute their talents and fulfill their potential, regardless of race or gender.

IV. Beyond the Film: Exploring Deeper Insights:

What aspects of their lives are not fully depicted in the film? While "Hidden Figures" captured the essence of their struggles and achievements, there are inevitably nuances and details not fully explored in the cinematic narrative. Further research unveils a more comprehensive picture of their lives, including personal relationships, professional setbacks, and less-public

aspects of their contributions.

What other significant contributions did they make beyond what's shown in the film? Their contributions extended beyond the specific missions highlighted in the movie. Their work encompassed a broader range of projects and advancements within NASA, contributing to a greater body of aerospace knowledge and innovation.

How can we continue to celebrate their legacy and promote diversity in STEM fields? We can continue their legacy by promoting STEM education to underrepresented groups, actively championing diversity and inclusion in the workplace, and sharing their inspiring stories to inspire future generations of scientists and engineers.

Article Outline: "Hidden Figures: Questions and Answers"

- I. Introduction: Briefly introduce the topic and the scope of the article.
- II. The Mathematical Minds: Detail the individual roles and contributions of Katherine Johnson, Dorothy Vaughan, and Mary Jackson.
- III. Overcoming Systemic Barriers: Explore the racial and gender discrimination they faced and how they overcame these obstacles.
- IV. The Legacy of Hidden Figures: Discuss the lasting impact of their work and how their stories are being shared today.
- V. Beyond the Film: Delve into aspects of their lives and contributions not fully covered in the movie.
- VI. Conclusion: Summarize the key takeaways and reiterate the importance of their legacies.

(Detailed explanation of each point in the outline is provided above in the main article body.)

FAQs:

1. What was Katherine Johnson's most significant contribution to NASA? Her calculations of trajectories for Project Mercury and the Apollo missions were crucial for the success of these landmark programs.

1. How did Dorothy Vaughan's role change over time at NASA? She

transitioned from human computing to programming electronic computers, demonstrating her adaptability and vision.

1. What barriers did Mary Jackson face as NASA's first Black female engineer? She faced systemic racism and sexism, requiring her to overcome significant legal and social obstacles.
1. How did the film "Hidden Figures" impact public awareness of these women? It significantly increased public awareness and sparked renewed interest in their contributions.
1. What other historical figures are comparable to Katherine, Dorothy, and Mary? Many other unsung heroes and heroines in STEM fields share similarities in their struggles and achievements.
1. Are there any books or documentaries that provide further insights into their lives? Yes, numerous biographies, documentaries, and articles offer more detailed information.
1. What organizations are working to promote diversity in STEM fields today? Many organizations are dedicated to fostering inclusivity and diversity in STEM, aiming to create a more equitable landscape.
1. How can I learn more about the mathematical concepts behind their work? Various resources, including textbooks and online courses, delve into the mathematics of orbital mechanics and trajectory analysis.
1. What impact did their work have on women and minorities in STEM today? Their accomplishments serve as inspiration and role models, motivating future generations to pursue careers in STEM fields.

Related Articles:

1. The Untold Story of Katherine Johnson: A deep dive into the life and achievements of Katherine Johnson.
1. Dorothy Vaughan: Pioneer of Computer Programming: Explores Dorothy Vaughan's pivotal role in transitioning from hand calculations to electronic computers.
1. Mary Jackson: Breaking Barriers in Aerospace Engineering: Focuses on Mary Jackson's extraordinary journey and accomplishments.
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1. The Mathematics of Spaceflight: A Look at Katherine Johnson's Calculations: Explores the technical aspects of Katherine Johnson's work.
1. Hidden Figures and the Civil Rights Movement: Connects their stories to the broader social and political context of the Civil Rights Movement.
1. Women in STEM: Then and Now: Compares the challenges faced by women in STEM then and now.
1. The Legacy of Hidden Figures in Education: Discusses the impact of their stories on STEM education.
1. Celebrating Unsung Heroes in Science and Technology: Explores the

stories of other overlooked individuals who made significant contributions.

hidden figures questions and answers: Hidden Figures Margot Lee Shetterly, 2018-05-08

Based on the New York Times bestselling book and the Academy Award-nominated movie, author Margot Lee Shetterly and Coretta Scott King Illustrator Honor Award winner Laura Freeman bring the incredibly inspiring true story of four black women who helped NASA launch men into space to picture book readers! Dorothy Vaughan, Mary Jackson, Katherine Johnson, and Christine Darden were good at math...really good. They participated in some of NASA's greatest successes, like providing the calculations for America's first journeys into space. And they did so during a time when being black and a woman limited what they could do. But they worked hard. They persisted. And they used their genius minds to change the world. In this beautifully illustrated picture book edition, we explore the story of four female African American mathematicians at NASA, known as colored computers, and how they overcame gender and racial barriers to succeed in a highly challenging STEM-based career. Finally, the extraordinary lives of four African American women who helped NASA put the first men in space is available for picture book readers, proclaims Brightly in their article 18 Must-Read Picture Books of 2018. Will inspire girls and boys alike to love math, believe in themselves, and reach for the stars.

hidden figures questions and answers: Cry, the Beloved Country Alan Paton, 1953

hidden figures questions and answers: *Hidden Figures* Margot Lee Shetterly, 2016 #1 New York Times Bestseller NOW A MAJOR MOTION PICTURE Oscar Nominated For Best Picture and Best Adapted Screenplay Set amid the civil rights movement, the never-before-told true story of NASA's African-American female mathematicians who played a crucial role in America's space program. Before Neil Armstrong walked on the moon, a group of professionals worked as 'Human Computers', calculating the flight paths that would enable these historic achievements. Among these were a coterie of bright, talented African-American women. Segregated from their white counterparts, these 'colored computers' used pencil and paper to write the equations that would launch rockets, and astronauts, into space. Moving from World War II through NASA's golden age, touching on the civil rights era, the Space Race, the Cold War, and the women's rights movement, *Hidden Figures* interweaves a rich history of mankind's greatest adventure with the intimate stories of five courageous women whose work forever changed the world.

hidden figures questions and answers: Determination of Azimuth Angle at Burnout for Placing a Satellite Over a Selected Earth Position T. H. Skopinski, Katherine G. Johnson, 1960

hidden figures questions and answers: All the Light We Cannot See Anthony Doerr, 2014-05-06 *NOW A NETFLIX LIMITED SERIES—from producer and director Shawn Levy (*Stranger Things*) starring Mark Ruffalo, Hugh Laurie, and newcomer Aria Mia Loberti* Winner of the Pulitzer Prize and National Book Award finalist, the beloved instant New York Times bestseller and New York Times Book Review Top 10 Book about a blind French girl and a German boy whose paths collide in occupied France as both try to survive the devastation of World War II. Marie-Laure lives with her father in Paris near the Museum of Natural History where he works as the master of its thousands of locks. When she is six, Marie-Laure goes blind and her father builds a perfect miniature of their neighborhood so she can memorize it by touch and navigate her way home. When she is twelve, the Nazis occupy Paris, and father and daughter flee to the walled citadel of Saint-Malo, where Marie-Laure's reclusive great uncle lives in a tall house by the sea. With them they carry what might be the museum's most valuable and dangerous jewel. In a mining town in Germany, the orphan Werner grows up with his younger sister, enchanted by a crude radio they find. Werner becomes an expert at building and fixing these crucial new instruments, a talent that wins him a place at a brutal

academy for Hitler Youth, then a special assignment to track the Resistance. More and more aware of the human cost of his intelligence, Werner travels through the heart of the war and, finally, into Saint-Malo, where his story and Marie-Laure's converge. Doerr's "stunning sense of physical detail and gorgeous metaphors" (San Francisco Chronicle) are dazzling. Deftly interweaving the lives of Marie-Laure and Werner, he illuminates the ways, against all odds, people try to be good to one another. Ten years in the writing, *All the Light We Cannot See* is a magnificent, deeply moving novel from a writer "whose sentences never fail to thrill" (Los Angeles Times).

hidden figures questions and answers: *The Double V* Rawn James, Jr., 2014-03-25 The century-long struggle to achieve equality for America's black soldiers and sailors, in a stirring narrative history by the author of *Root and Branch*

hidden figures questions and answers: *Reaching for the Moon* Katherine Johnson, 2020-05-05 "This rich volume is a national treasure." —Kirkus Reviews (starred review) "Captivating, informative, and inspiring...Easy to follow and hard to put down." —School Library Journal (starred review) The inspiring autobiography of NASA mathematician Katherine Johnson, who helped launch Apollo 11. As a young girl, Katherine Johnson showed an exceptional aptitude for math. In school she quickly skipped ahead several grades and was soon studying complex equations with the support of a professor who saw great promise in her. But ability and opportunity did not always go hand in hand. As an African American and a girl growing up in an era of brutal racism and sexism, Katherine faced daily challenges. Still, she lived her life with her father's words in mind: "You are no better than anyone else, and nobody else is better than you." In the early 1950s, Katherine was thrilled to join the organization that would become NASA. She worked on many of NASA's biggest projects including the Apollo 11 mission that landed the first men on the moon. Katherine Johnson's story was made famous in the bestselling book and Oscar-nominated film *Hidden Figures*. Now in *Reaching for the Moon* she tells her own story for the first time, in a lively autobiography that will inspire young readers everywhere.

hidden figures questions and answers: *Verity* Colleen Hoover, 2021-10-05 Whose truth is the lie? Stay up all night reading the sensational psychological thriller that has readers obsessed, from the #1 New York Times bestselling author of *Too Late* and *It Ends With Us*. #1 New York Times Bestseller · USA Today Bestseller · Globe and Mail Bestseller · Publishers Weekly Bestseller Lowen Ashleigh is a struggling writer on the brink of financial ruin when she accepts the job offer of a lifetime. Jeremy Crawford, husband of bestselling author Verity Crawford, has hired Lowen to complete the remaining books in a successful series his injured wife is unable to finish. Lowen arrives at the Crawford home, ready to sort through years of Verity's notes and outlines, hoping to find enough material to get her started. What Lowen doesn't expect to uncover in the chaotic office is an unfinished autobiography Verity never intended for anyone to read. Page after page of bone-chilling admissions, including Verity's recollection of the night her family was forever altered. Lowen decides to keep the manuscript hidden from Jeremy, knowing its contents could devastate the already grieving father. But as Lowen's feelings for Jeremy begin to intensify, she recognizes all the ways she could benefit if he were to read his wife's words. After all, no matter how devoted Jeremy is to his injured wife, a truth this horrifying would make it impossible for him to continue loving her.

hidden figures questions and answers: *Burn After Writing (Gray)* Sharon Jones, 2021-05-18 The national bestseller. Write. Burn. Repeat. Now with new covers to match whatever mood you're in. This book has made me laugh and cry, filled me with joy, and inspired me. -TikTok user camrynbanks Instagram, WhatsApp, Snapchat, TikTok, VSCO, YouTube...the world has not only become one giant feed, but also one giant confessional. *Burn After Writing* allows you to spend less time scrolling and more time self-reflecting. Through incisive questions and thought experiments, this journal helps you learn new things while letting others go. Imagine instead of publicly declaring your feelings for others, you privately declared your feelings for yourself? Help your heart by turning off the comments and muting the accounts that drive you into jealousy for a few moments a night. Whether you are going through the ups and downs of growing up, or know a few young people who are, you will flourish by finding free expression—even if through a few tears! Push your limits, reflect

on your past, present, and future, and create a secret book that's about you, and just for you. This is not a diary, and there is no posting required. And when you're finished, toss it, hide it, or Burn After Writing.

hidden figures questions and answers: *Fahrenheit 451* Ray Bradbury, 2003-09-23 Set in the future when firemen burn books forbidden by the totalitarian brave new world regime.

hidden figures questions and answers: *The Lincoln Highway* Amor Towles, 2021-10-05 #1 NEW YORK TIMES BESTSELLER More than ONE MILLION copies sold A TODAY Show Read with Jenna Book Club Pick A New York Times Notable Book, and Chosen by Oprah Daily, Time, NPR, The Washington Post, Bill Gates and Barack Obama as a Best Book of the Year "Wise and wildly entertaining . . . permeated with light, wit, youth." —The New York Times Book Review "A classic that we will read for years to come." —Jenna Bush Hager, Read with Jenna book club "Fantastic. Set in 1954, Towles uses the story of two brothers to show that our personal journeys are never as linear or predictable as we might hope." —Bill Gates "A real joyride . . . elegantly constructed and compulsively readable." —NPR The bestselling author of *A Gentleman in Moscow* and *Rules of Civility* and master of absorbing, sophisticated fiction returns with a stylish and propulsive novel set in 1950s America In June, 1954, eighteen-year-old Emmett Watson is driven home to Nebraska by the warden of the juvenile work farm where he has just served fifteen months for involuntary manslaughter. His mother long gone, his father recently deceased, and the family farm foreclosed upon by the bank, Emmett's intention is to pick up his eight-year-old brother, Billy, and head to California where they can start their lives anew. But when the warden drives away, Emmett discovers that two friends from the work farm have hidden themselves in the trunk of the warden's car. Together, they have hatched an altogether different plan for Emmett's future, one that will take them all on a fateful journey in the opposite direction—to the City of New York. Spanning just ten days and told from multiple points of view, Towles's third novel will satisfy fans of his multi-layered literary styling while providing them an array of new and richly imagined settings, characters, and themes. "Once again, I was wowed by Towles's writing—especially because *The Lincoln Highway* is so different from *A Gentleman in Moscow* in terms of setting, plot, and themes. Towles is not a one-trick pony. Like all the best storytellers, he has range. He takes inspiration from famous hero's journeys, including *The Iliad*, *The Odyssey*, *Hamlet*, *Huckleberry Finn*, and *Of Mice and Men*. He seems to be saying that our personal journeys are never as linear or predictable as an interstate highway. But, he suggests, when something (or someone) tries to steer us off course, it is possible to take the wheel." – Bill Gates

hidden figures questions and answers: *One Question* Ken Coleman, 2013-04-02 Collects answers about such topics as money, parenting, risks, failure, and life in general from celebrities and other high profile people.

hidden figures questions and answers: *HIDDEN FIGURES* NARAYAN CHANGDER, 2024-05-27 THE HIDDEN FIGURES MCQ (MULTIPLE CHOICE QUESTIONS) SERVES AS A VALUABLE RESOURCE FOR INDIVIDUALS AIMING TO DEEPEN THEIR UNDERSTANDING OF VARIOUS COMPETITIVE EXAMS, CLASS TESTS, QUIZ COMPETITIONS, AND SIMILAR ASSESSMENTS. WITH ITS EXTENSIVE COLLECTION OF MCQS, THIS BOOK EMPOWERS YOU TO ASSESS YOUR GRASP OF THE SUBJECT MATTER AND YOUR PROFICIENCY LEVEL. BY ENGAGING WITH THESE MULTIPLE-CHOICE QUESTIONS, YOU CAN IMPROVE YOUR KNOWLEDGE OF THE SUBJECT, IDENTIFY AREAS FOR IMPROVEMENT, AND LAY A SOLID FOUNDATION. DIVE INTO THE HIDDEN FIGURES MCQ TO EXPAND YOUR HIDDEN FIGURES KNOWLEDGE AND EXCEL IN QUIZ COMPETITIONS, ACADEMIC STUDIES, OR PROFESSIONAL ENDEAVORS. THE ANSWERS TO THE QUESTIONS ARE PROVIDED AT THE END OF EACH PAGE, MAKING IT EASY FOR PARTICIPANTS TO VERIFY THEIR ANSWERS AND PREPARE EFFECTIVELY.

hidden figures questions and answers: *Mr. Lemoncello's Library Olympics* Chris Grabenstein, 2016-01-05 The New York Times bestselling, puzzle-packed sequel to the award-winning *Escape from Mr. Lemoncello's Library* by Chris Grabenstein, coauthor of *I Funny*,

Treasure Hunters and other bestselling series with James Patterson! Welcome, boys and girls, readers of all ages, to the first-ever Library Olympics! Kyle and his teammates are back, and the world-famous game maker Luigi Lemoncello is at it again! This time Mr. Lemoncello has invited teams from all across America to compete in the first-ever LIBRARY OLYMPICS. But something suspicious is going on . . . books are missing from Mr. Lemoncello's library. Is someone trying to censor what the kids are reading?! Now it's not just a game—can Mr. Lemoncello find the real defenders of books and champions of libraries? In between figuring out mind-boggling challenges, the kids will have to band together to get to the bottom of this mystery. Packed with puzzles, clues, and thrilling surprises, this is a deliciously fun, action-packed sequel to the New York Times bestselling *Escape from Mr. Lemoncello's Library*. Let the games begin! Praise for Mr. Lemoncello's Library Olympics * An ILA-CBC Children's Choice "Discover the coolest library in the world." —JAMES PATTERSON "This sequel is just as much of an adventure as the first entry. Lots of action and quirky humor will lead kids to do just what libraries encourage them to do: keep reading." —The Washington Post "This action-packed sequel is sure to delight. Another winning love letter to libraries and librarians that is sure to leave readers looking at their own library in a new light." —Booklist "Dewey like this? Of course, and so will upper-elementary and middle school readers and gamers alike." —Kirkus Reviews

hidden figures questions and answers: *America is for Everybody* United States Employment Service, 1963

hidden figures questions and answers: *The Hidden Girl* Lola Rein Kaufman, 2010-03-01 After deciding to donate the dress her mother had made for her to a museum, Lola Rein Kaufman, survivor of the Nazi Holocaust, decides that it's finally time to speak publicly about her experiences.

hidden figures questions and answers: *The Silent Patient* Alex Michaelides, 2019-02-05
****THE INSTANT #1 NEW YORK TIMES BESTSELLER**** An unforgettable—and Hollywood-bound—new thriller... A mix of Hitchcockian suspense, Agatha Christie plotting, and Greek tragedy. —Entertainment Weekly *The Silent Patient* is a shocking psychological thriller of a woman's act of violence against her husband—and of the therapist obsessed with uncovering her motive. Alicia Berenson's life is seemingly perfect. A famous painter married to an in-demand fashion photographer, she lives in a grand house with big windows overlooking a park in one of London's most desirable areas. One evening her husband Gabriel returns home late from a fashion shoot, and Alicia shoots him five times in the face, and then never speaks another word. Alicia's refusal to talk, or give any kind of explanation, turns a domestic tragedy into something far grander, a mystery that captures the public imagination and casts Alicia into notoriety. The price of her art skyrockets, and she, the silent patient, is hidden away from the tabloids and spotlight at the Grove, a secure forensic unit in North London. Theo Faber is a criminal psychotherapist who has waited a long time for the opportunity to work with Alicia. His determination to get her to talk and unravel the mystery of why she shot her husband takes him down a twisting path into his own motivations—a search for the truth that threatens to consume him....

hidden figures questions and answers: *Margaret and the Moon* Dean Robbins, 2017-05-16 A true story from one of the Women of NASA! Margaret Hamilton loved numbers as a young girl. She knew how many miles it was to the moon (and how many back). She loved studying algebra and geometry and calculus and using math to solve problems in the outside world. Soon math led her to MIT and then to helping NASA put a man on the moon! She handwrote code that would allow the spacecraft's computer to solve any problems it might encounter. Apollo 8. Apollo 9. Apollo 10. Apollo 11. Without her code, none of those missions could have been completed. Dean Robbins and Lucy Knisley deliver a lovely portrayal of a pioneer in her field who never stopped reaching for the stars.

hidden figures questions and answers: *A Computer Called Katherine* Suzanne Slade, 2019-04-09 The inspiring true story of mathematician Katherine Johnson--made famous by the award-winning film *Hidden Figures*--who counted and computed her way to NASA and helped put a man on the moon! Katherine knew it was wrong that African Americans didn't have the same rights as others--as wrong as $5+5=12$. She knew it was wrong that people thought women could only be

teachers or nurses--as wrong as $10-5=3$. And she proved everyone wrong by zooming ahead of her classmates, starting college at fifteen, and eventually joining NASA, where her calculations helped pioneer America's first manned flight into space, its first manned orbit of Earth, and the world's first trip to the moon! Award-winning author Suzanne Slade and debut artist Veronica Miller Jamison tell the story of a NASA computer in this smartly written, charmingly illustrated biography.

hidden figures questions and answers: *The Four* Scott Galloway, 2017-10-03 NEW YORK TIMES BESTSELLER USA TODAY BESTSELLER Amazon, Apple, Facebook, and Google are the four most influential companies on the planet. Just about everyone thinks they know how they got there. Just about everyone is wrong. For all that's been written about the Four over the last two decades, no one has captured their power and staggering success as insightfully as Scott Galloway. Instead of buying the myths these companies broadcast, Galloway asks fundamental questions. How did the Four infiltrate our lives so completely that they're almost impossible to avoid (or boycott)? Why does the stock market forgive them for sins that would destroy other firms? And as they race to become the world's first trillion-dollar company, can anyone challenge them? In the same irreverent style that has made him one of the world's most celebrated business professors, Galloway deconstructs the strategies of the Four that lurk beneath their shiny veneers. He shows how they manipulate the fundamental emotional needs that have driven us since our ancestors lived in caves, at a speed and scope others can't match. And he reveals how you can apply the lessons of their ascent to your own business or career. Whether you want to compete with them, do business with them, or simply live in the world they dominate, you need to understand the Four.

hidden figures questions and answers: *Face Value* Autumn Whitefield-Madrano, 2016 Whitefield-Madrano ... examines the relationship between appearance and science, social media, sex, friendship, language, and advertising to show how beauty actually affects us day to day. Through ... research and interviews with dozens of women across all walks of life, she reveals surprising findings, like that wearing makeup can actually relax you, that you can convince people you're better looking just by tweaking your personality, and the ways beauty can be a powerful tool of connection among women--Amazon.com.

hidden figures questions and answers: *Contact* Carl Sagan, 2016-12-20 Pulitzer Prize-winning author and astronomer Carl Sagan imagines the greatest adventure of all—the discovery of an advanced civilization in the depths of space. In December of 1999, a multinational team journeys out to the stars, to the most awesome encounter in human history. Who—or what—is out there? In *Cosmos*, Carl Sagan explained the universe. In *Contact*, he predicts its future—and our own.

hidden figures questions and answers: *Counting on Katherine: How Katherine Johnson Saved Apollo 13* Helaine Becker, 2018-06-19 Learn how Katherine Johnson saved Apollo 13.

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hidden figures questions and answers: *The Desegregation of Public Libraries in the Jim Crow South* Shirley A. Wiegand, Wayne A. Wiegand, 2018-04-14 In *The Desegregation of Public Libraries in the Jim Crow South*, Wayne A. and Shirley A. Wiegand tell the comprehensive story of the integration of southern public libraries. As in other efforts to integrate civic institutions in the 1950s and 1960s, the determination of local activists won the battle against segregation in libraries. In particular, the willingness of young black community members to take part in organized protests and direct actions ensured that local libraries would become genuinely free to all citizens. The Wiegands trace the struggle for equal access to the years before the Supreme Court's *Brown v. Board of Education* decision, when black activists in the South focused their efforts on equalizing accommodations, rather than on the more daunting—and dangerous—task of undoing segregation. After the ruling, momentum for vigorously pursuing equality grew, and black organizations shifted to more direct challenges to the system, including public library sit-ins and lawsuits against library

systems. Although local groups often took direction from larger civil rights organizations, the energy, courage, and determination of younger black community members ensured the eventual desegregation of Jim Crow public libraries. The Wiegands examine the library desegregation movement in several southern cities and states, revealing the ways that individual communities negotiated—mostly peacefully, sometimes violently—the integration of local public libraries. This study adds a new chapter to the history of civil rights activism in the mid-twentieth century and celebrates the resolve of community activists as it weaves the account of racial discrimination in public libraries through the national narrative of the civil rights movement.

hidden figures questions and answers: *The Girls Within* Gill Frost, 2020-11-30 A compelling true story of one woman's battle with the aftermath of childhood trauma, which gives a gripping account of the often controversial and misunderstood condition of dissociative identity disorder (DID), formerly known as multiple personality disorder (MPD). This emotional but ultimately uplifting journey details the unforeseen twists and turns of the effects of therapy and how it can help in coming to terms with the past and its unsettling echoes in the present. Heartwarming and lucid, it's an inspiring tale for all to read. Through its clinical rigour, professional therapists will also gain insight into the various treatment options for DID, including the innovative use of energy therapy. The book contains 32 colour illustrations, including 24 drawings by The Girls. The star of this book is an extraordinary, bright-spirited, and entertaining six-year-old girl, called Little Vivvi, who experienced shocking abuse from members of her family. Yet Little Vivvi lives within Vivian, a middle-aged woman who has struggled with DID for many years. The challenging process of psychotherapy is laid bare, as Little Vivvi wrestles with overwhelming memories of childhood abuse. Alongside talking therapy, energy treatment, which she calls Wooshing, is utilised to astonishing effect, becoming the enigmatic ingredient that finally enables Little Vivvi to find relief from the distress and fear that had dominated her existence. As therapy seems to draw to a close, Izzy appears. A very sensitive, thoughtful and mature eight-year-old, Izzy too needs love, support and treatment to speak about her trauma. After overcoming her understandable distrust, Izzy enables an exceptional ending to the therapeutic journey, far beyond anything Vivian and her therapist, Gill, could have dreamed. Little Vivvi and Izzy will make you want to laugh out loud as well as cry. Their story teaches so much about suffering, dissociation and survival. Their aim is to enlighten, inspire and offer hope to others through reading their incredible tales, which reveal the astonishing power of *The Girls within*.

hidden figures questions and answers: *Alpha Girls* Julian Guthrie, 2019-04-30 An unforgettable story of four women who, through grit and ingenuity, became stars in the cutthroat, high-stakes, male dominated world of venture capital in Silicon Valley, and helped build some of the foremost companies of our time. In *Alpha Girls*, award-winning journalist Julian Guthrie takes readers behind the closed doors of venture capital, an industry that transforms economies and shapes how we live. We follow the lives and careers of four women who were largely written out of history - until now. Magdalena Yesil, who arrived in America from Turkey with \$43 to her name, would go on to receive her electrical engineering degree from Stanford, found some of the first companies to commercialize internet access, and help Marc Benioff build Salesforce. Mary Jane Elmore went from the corn fields of Indiana to Stanford and on to the storied venture capital firm IVP - where she was one of the first women in the U.S. to make partner - only to be pulled back from the glass ceiling by expectations at home. Theresia Gouw, an overachieving first-generation Asian American from a working-class town, dominated the foosball tables at Brown (she would later reluctantly let Sergey Brin win to help Accel Partners court Google), before she helped land and build companies including Facebook, Trulia, Imperva, and ForeScout. Sonja Hoel, a Southerner who became the first woman investing partner at white-glove Menlo Ventures, invested in McAfee, Hotmail, Acme Packet, and F5 Networks. As her star was still rising at Menlo, a personal crisis would turn her into an activist overnight, inspiring her to found an all-women's investment group and a national nonprofit for girls. These women, juggling work and family, shaped the tech landscape we know today while overcoming unequal pay, actual punches, betrayals, and the sexist

attitudes prevalent in Silicon Valley and in male-dominated industries everywhere. Despite the setbacks, they would rise again to rewrite the rules for an industry they love. In *Alpha Girls*, Guthrie reveals their untold stories.

hidden figures questions and answers: Handprints on Hubble Kathryn D. Sullivan, 2019-11-05 The first American woman to walk in space recounts her experience as part of the team that launched, rescued, repaired, and maintained the Hubble Space Telescope The Hubble Space Telescope has revolutionized our understanding of the universe. It has, among many other achievements, revealed thousands of galaxies in what seemed to be empty patches of sky; transformed our knowledge of black holes; found dwarf planets with moons orbiting other stars; and measured precisely how fast the universe is expanding. In *Handprints on Hubble*, retired astronaut Kathryn Sullivan describes her work on the NASA team that made all this possible. Sullivan, the first American woman to walk in space, recounts how she and other astronauts, engineers, and scientists launched, rescued, repaired, and maintained Hubble, the most productive observatory ever built. Along the way, Sullivan chronicles her early life as a “Sputnik Baby,” her path to NASA through oceanography, and her initiation into the space program as one of “thirty-five new guys.” (She was also one of the first six women to join NASA’s storied astronaut corps.) She describes in vivid detail what liftoff feels like inside a spacecraft (it’s like “being in an earthquake and a fighter jet at the same time”), shows us the view from a spacewalk, and recounts the temporary grounding of the shuttle program after the Challenger disaster. Sullivan explains that “maintainability” was designed into Hubble, and she describes the work of inventing the tools and processes that made on-orbit maintenance possible. Because in-flight repair and upgrade was part of the plan, NASA was able to fix a serious defect in Hubble’s mirrors—leaving literal and metaphorical “handprints on Hubble.” *Handprints on Hubble* was published with the support of the MIT Press Fund for Diverse Voices.

hidden figures questions and answers: Pies from Nowhere: How Georgia Gilmore Sustained the Montgomery Bus Boycott Dee Romito, 2018-11-06 This stunning picture book looks into the life of Georgia Gilmore, a hidden figure of history who played a critical role in the civil rights movement and used her passion for baking to help the Montgomery Bus Boycott achieve its goal. Georgia decided to help the best way she knew how. She worked together with a group of women and together they purchased the supplies they needed—bread, lettuce, and chickens. And off they went to cook. The women brought food to the mass meetings that followed at the church. They sold sandwiches. They sold dinners in their neighborhoods. As the boycotters walked and walked, Georgia cooked and cooked. Georgia Gilmore was a cook at the National Lunch Company in Montgomery, Alabama. When the bus boycotts broke out in Montgomery after Rosa Parks was arrested, Georgia knew just what to do. She organized a group of women who cooked and baked to fund-raise for gas and cars to help sustain the boycott. Called the Club from Nowhere, Georgia was the only person who knew who baked and bought the food, and she said the money came from nowhere to anyone who asked. When Martin Luther King Jr. was arrested for his role in the boycott, Georgia testified on his behalf, and her home became a meeting place for civil rights leaders. This picture book highlights a hidden figure of the civil rights movement who fueled the bus boycotts and demonstrated that one person can make a real change in her community and beyond. It also includes one of her delicious recipes for kids to try with the help of their parents!

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hidden figures questions and answers: Inside U.S.A. John Gunther, 2021-09-30 The

seventy-fifth anniversary edition of Gunther's classic portrait of America John Gunther's Inside series were among the most popular books of reportage of the 1930s and 1940s. For Inside U.S.A., his magnum opus, Gunther set out from California and visited every state in the country, offering frank, lucid, and humorous observations along the way in what legendary publisher Robert Gottlieb, writing in the New York Times, calls Gunther's "fluent, personal, casual, snappy" voice. Gunther's insights on race, labor, the impact of massive New Deal public works projects, rural life, urbanization, and much more yield fascinating insight into life in a postwar America that had vaulted into the status of the world's preeminent superpower. This seventy-fifth-anniversary edition of Inside U.S.A. provides an invaluable picture of America as it was and is both a delight to read and filled with insights that remain deeply relevant today.

hidden figures questions and answers: Introduction to Probability Joseph K. Blitzstein, Jessica Hwang, 2014-07-24 Developed from celebrated Harvard statistics lectures, Introduction to Probability provides essential language and tools for understanding statistics, randomness, and uncertainty. The book explores a wide variety of applications and examples, ranging from coincidences and paradoxes to Google PageRank and Markov chain Monte Carlo (MCMC). Additional application areas explored include genetics, medicine, computer science, and information theory. The print book version includes a code that provides free access to an eBook version. The authors present the material in an accessible style and motivate concepts using real-world examples. Throughout, they use stories to uncover connections between the fundamental distributions in statistics and conditioning to reduce complicated problems to manageable pieces. The book includes many intuitive explanations, diagrams, and practice problems. Each chapter ends with a section showing how to perform relevant simulations and calculations in R, a free statistical software environment.

hidden figures questions and answers: Master The Mechanical Aptitude and Spatial Relations Test Peterson's, 2010-05-25 Master the Mechanical Aptitude & Spatial Relations Tests provides the key to test-prep success on exams measuring spatial relations, symbol reasoning, and mechanical aptitude for training and employment opportunities in the military, civil service, technical schools, and private industry. Featuring practice questions covering all major exam topics—including hidden figures, tool knowledge, and mechanical insight—with overviews of concepts that appear on mechanical aptitude/spatial relations exams, such as visual-motor coordination and pattern analysis. The book also includes detailed subject reviews, along with charts and diagrams to illustrate answers.

hidden figures questions and answers: Shape Jordan Ellenberg, 2021-05-25 An instant New York Times Bestseller! "Unreasonably entertaining . . . reveals how geometric thinking can allow for everything from fairer American elections to better pandemic planning." —The New York Times From the New York Times-bestselling author of How Not to Be Wrong—himself a world-class geometer—a far-ranging exploration of the power of geometry, which turns out to help us think better about practically everything. How should a democracy choose its representatives? How can you stop a pandemic from sweeping the world? How do computers learn to play Go, and why is learning Go so much easier for them than learning to read a sentence? Can ancient Greek proportions predict the stock market? (Sorry, no.) What should your kids learn in school if they really want to learn to think? All these are questions about geometry. For real. If you're like most people, geometry is a sterile and dimly remembered exercise you gladly left behind in the dust of ninth grade, along with your braces and active romantic interest in pop singers. If you recall any of it, it's plodding through a series of miniscule steps only to prove some fact about triangles that was obvious to you in the first place. That's not geometry. Okay, it is geometry, but only a tiny part, which has as much to do with geometry in all its flush modern richness as conjugating a verb has to do with a great novel. Shape reveals the geometry underneath some of the most important scientific, political, and philosophical problems we face. Geometry asks: Where are things? Which things are near each other? How can you get from one thing to another thing? Those are important questions. The word geometry comes from the Greek for measuring the world. If anything, that's an undersell.

Geometry doesn't just measure the world—it explains it. Shape shows us how.

hidden figures questions and answers: *My Remarkable Journey* Katherine Johnson, Joylette Hylick, Katherine Moore, 2021-05-25 The remarkable woman at heart of the smash New York Times bestseller and Oscar-winning film *Hidden Figures* tells the full story of her life, including what it took to work at NASA, help land the first man on the moon, and live through a century of turmoil and change. In 2015, at the age of 97, Katherine Johnson became a global celebrity. President Barack Obama awarded her the prestigious Presidential Medal of Freedom—the nation's highest civilian honor—for her pioneering work as a mathematician on NASA's first flights into space. Her contributions to America's space program were celebrated in a blockbuster and Academy-award nominated movie. In this memoir, Katherine shares her personal journey from child prodigy in the Allegheny Mountains of West Virginia to NASA human computer. In her life after retirement, she served as a beacon of light for her family and community alike. Her story is centered around the basic tenets of her life—no one is better than you, education is paramount, and asking questions can break barriers. The memoir captures the many facets of this unique woman: the curious “daddy's girl,” pioneering professional, and sage elder. This multidimensional portrait is also the record of a century of racial history that reveals the influential role educators at segregated schools and Historically Black Colleges and Universities played in nurturing the dreams of trailblazers like Katherine. The author pays homage to her mentor—the African American professor who inspired her to become a research mathematician despite having his own dream crushed by racism. Infused with the uplifting wisdom of a woman who handled great fame with genuine humility and great tragedy with enduring hope, *My Remarkable Journey* ultimately brings into focus a determined woman who navigated tough racial terrain with soft-spoken grace—and the unrelenting grit required to make history and inspire future generations.

hidden figures questions and answers: *Power in Numbers* Talithia Williams, 2018-04-10 From rocket scientists to code breakers, “fascinating stories” of women who overcame obstacles, shattered stereotypes, and pursued their passion for math (Notices of the American Mathematical Society). With more than 200 photos and original interviews with several of the amazing women covered, *Power in Numbers: The Rebel Women of Mathematics* is a full-color volume that puts a spotlight on the influence of women on the development of mathematics over the last two millennia. Each biography reveals the life of a different female mathematician, from her childhood and early influences to the challenges she faced and the great achievements she made in spite of them. Learn how: After her father terminated her math lessons, Sofia Kovalevskaya snuck algebra books into her bed to read at night Emmy Noether became an invaluable resource to Albert Einstein while she was in the Navy Native American rocket scientist Mary Golda Ross developed designs for fighter jets and missiles in a top-secret unit Katherine Johnson's life-or-death calculations at NASA meant that astronauts such as Alan Shepard and John Glenn made it home alive Shakuntala Devi multiplied massive numbers in her head so her family could eat at night Pamela Harris proved her school counselors wrong when they told her she would only succeed as a bilingual secretary Carla Cotwright-Williams began her life in the dangerous streets of South-Central Los Angeles before skyrocketing to a powerful career with the Department of Defense in Washington, DC These women are a diverse group, but their stories have one thing in common: At some point on their journeys, someone believed in them—and made them think the impossible was perhaps not so impossible. “A quick read . . . full of dramatic stories and eye-catching illustrations.” —MAA Reviews “I found myself marveling at the personal anecdotes and quotes throughout the book.” —Notices of the American Mathematical Society

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about statecraft and foreign policy or reflecting on more esoteric topics such as baseball, spaceflight and medical ethics, Charles Krauthammer elevated the opinion column to a form of art. This collection features the columns, speeches and unpublished writings that showcase the best of his original thought and his last, enduring words on the state of American politics, the nature of liberal democracy and the course of world history. The book also includes a deeply personal section offering insight into Krauthammer's beliefs about what mattered most to him: friendship, family and the principles he lived by. *The Point of It All* is a timely demonstration of what made Charles Krauthammer the most celebrated American columnist and political thinker of his generation, a revealing look at the man behind the words and a lasting testament to his belief that anyone with an open and honest mind can grapple deeply with the most urgent questions in politics and in life.

hidden figures questions and answers: *Among the Hidden* Margaret Peterson Haddix, 2002-06-12 In a future where the Population Police enforce the law limiting a family to only two children, Luke, an illegal third child, has lived all his twelve years in isolation and fear on his family's farm in this start to the Shadow Children series from Margaret Peterson Haddix. Luke has never been to school. He's never had a birthday party, or gone to a friend's house for an overnight. In fact, Luke has never had a friend. Luke is one of the shadow children, a third child forbidden by the Population Police. He's lived his entire life in hiding, and now, with a new housing development replacing the woods next to his family's farm, he is no longer even allowed to go outside. Then, one day Luke sees a girl's face in the window of a house where he knows two other children already live. Finally, he's met a shadow child like himself. Jen is willing to risk everything to come out of the shadows—does Luke dare to become involved in her dangerous plan? Can he afford not to?

hidden figures questions and answers: *The Verdict* Prannoy Roy, Dorab R. Sopariwala, 2019-03-14 What are the key factors that win or lose elections in India? What does, or does not, make India's democracy tick? Is this the end of anti-incumbency? Are opinion polls and exit polls reliable? How pervasive is the 'fear factor'? Does the Indian woman's vote matter? Does the selection of candidates impact results? Are elections becoming more democratic or less democratic? Can electronic voting machines (EVMs) be fiddled with? Can Indian elections be called 'a jugaad system'? Published on the eve of India's next general elections, *The Verdict* will use rigorous psephology, original research and as-yet undisclosed facts to talk about the entire span of India's entire electoral history—from the first elections in 1952, till today. Crucially, for 2019, it provides pointers to look out for, to see if the incumbent government will win or lose. Written by Prannoy Roy, renowned for his knack of demystifying electoral politics, and Dorab Sopariwala, this book will be compulsory reading for anyone interested in politics and elections in India.

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