

a hidden figure of the space race answer key

A Hidden Figure of the Space Race Answer Key: Uncovering the Untold Stories of Katherine Johnson and Beyond

Author: While there isn't a single definitive "A Hidden Figure of the Space Race Answer Key" book, the seminal work exploring the lives of these women is Margot Lee Shetterly's *Hidden Figures: The American Dream and the Untold Story of the Black Women Mathematicians Who Helped Win the Space Race*. Shetterly, a journalist and writer, spent years researching and interviewing individuals involved in the story, making her a credible authority on the topic. Her meticulous research and engaging narrative style provide a foundation for understanding the complexities of "a hidden figure of the space race answer key" – the key being the multifaceted contributions of these women.

Keyword: The search term "a hidden figure of the space race answer key" points towards a desire for a comprehensive understanding of the contributions of Black female mathematicians during the Space Race. This article aims to provide just that, exploring various aspects surrounding the narrative and its impact.

Summary: This article delves into the historical context surrounding Hidden Figures, exploring the untold stories of Katherine Johnson, Dorothy Vaughan, Mary Jackson, and other exceptional Black women mathematicians at NASA Langley Research Center. It examines their significant, yet often overlooked, contributions to crucial space missions. We will unpack the societal and racial barriers they faced, highlighting the courage and brilliance that propelled them forward. Ultimately, "a hidden figure of the space race answer key" unlocks a deeper understanding of not just scientific achievements, but also the fight for equality and recognition. We will also address common misconceptions and provide resources for further exploration, creating a comprehensive resource for anyone searching for "a hidden figure of the space race answer key."

Publisher: *Hidden Figures* was published by William Morrow, an imprint of HarperCollins Publishers. HarperCollins is a major publishing house with a long-standing reputation for publishing high-quality nonfiction, including numerous historical accounts and biographies. Their involvement lends credibility to the accuracy and thoroughness of Shetterly's research, solidifying the authority of the work and the search for "a hidden figure of the space race answer key".

Editor: While the specific editor for *Hidden Figures* may not be readily available publicly, HarperCollins employs a team of experienced editors who carefully review manuscripts for historical accuracy, narrative flow, and overall quality. The rigorous editing process further enhances the book's reliability as a source for information on "a hidden figure of the space race answer key."

Beyond the Book: Deconstructing "A Hidden Figure of the

Space Race Answer Key"

The phrase "a hidden figure of the space race answer key" suggests a search for a definitive solution or explanation. While Shetterly's book doesn't offer answers in a straightforward Q&A format, it provides the vital context to understand the complexities of these women's stories. It reveals the "key" to unlocking their accomplishments lies in recognizing the systemic challenges they overcame.

The Mathematical Prowess:

The book vividly portrays the mathematical genius of Katherine Johnson, Dorothy Vaughan, and Mary Jackson. Their calculations were critical for NASA's success, from trajectory analysis for Project Mercury to the Apollo missions. "A hidden figure of the space race answer key" lies in understanding the precise nature of their contributions, which went beyond simply crunching numbers; they developed innovative methods and algorithms that propelled space exploration forward. Their expertise in complex calculations was indispensable, representing a crucial element in the overall "answer key" to success.

The Systemic Barriers:

"A hidden figure of the space race answer key" also involves acknowledging the pervasive segregation and racism these women encountered. They were relegated to segregated spaces within NASA, paid less than their white male counterparts, and faced constant challenges to their professional advancement. Their success is not solely a testament to their individual brilliance, but also to their unwavering resilience in the face of immense adversity. Understanding these systemic barriers is crucial to fully grasping the significance of their achievements.

The Legacy and Inspiration:

The enduring legacy of Katherine Johnson, Dorothy Vaughan, and Mary Jackson is their inspiration for future generations. "A hidden figure of the space race answer key" reveals a legacy that extends beyond the mathematical contributions. Their story underscores the importance of diversity and inclusion in STEM fields, highlighting the potential lost when talent is overlooked due to prejudice. Their lives serve as a powerful reminder that innovation thrives in environments where diverse perspectives are valued and celebrated.

Expanding the Narrative:

While Hidden Figures rightly focuses on these three women, it's important to note that countless other Black women contributed to the Space Race. "A hidden figure of the space race answer key" is not limited to a single narrative; it's a tapestry woven from the experiences of many individuals, each playing a crucial role. Further research into the contributions of other mathematicians, engineers, and scientists is essential to fully understanding the breadth of their collective impact.

Conclusion:

The search for "a hidden figure of the space race answer key" is ultimately a quest for a more

complete and nuanced understanding of the history of the Space Race. Shetterly's *Hidden Figures* serves as a vital starting point, but continued exploration and recognition of the contributions of these remarkable women are crucial. Their stories, though once hidden, are now a powerful testament to the transformative potential of talent, resilience, and the fight for equality.

FAQs:

1. What is the main theme of *Hidden Figures*? The main themes are the untold stories of Black women mathematicians at NASA, their crucial contributions to the space race, and the systemic racism they faced.
1. Who were the main characters in *Hidden Figures*? The main characters are Katherine Johnson, Dorothy Vaughan, and Mary Jackson, although the book mentions numerous other significant female mathematicians.
1. What were the major contributions of these women to the space race? Their contributions included crucial calculations for Project Mercury and the Apollo missions, developing innovative mathematical methods, and breaking barriers in a male-dominated field.
1. What challenges did they face? They faced racial segregation, gender discrimination, and unequal pay, all while working under immense pressure to deliver accurate calculations.
1. How did *Hidden Figures* impact the public perception of these women? The book brought their contributions to widespread public attention, leading to greater recognition and appreciation for their groundbreaking work.
1. Is *Hidden Figures* a historically accurate account? Shetterly's research is extensively documented, making it a largely accurate representation of the historical events and challenges faced by these women.
1. What is the significance of the title "*Hidden Figures*"? The title reflects how these women's contributions were largely overlooked and unseen for decades.

1. What lessons can we learn from the story of these women? We can learn the importance of diversity, inclusion, and the recognition of contributions from all individuals, regardless of race or gender.
1. Where can I find more information about these women and their contributions? Numerous biographies, documentaries, and academic articles delve deeper into their lives and the broader context of their contributions.

Related Articles:

1. "The Human Computer Project: Reconsidering the role of women in early NASA": Explores the broader context of women's contribution to early NASA beyond the three main figures in Hidden Figures.
1. "Breaking Barriers: The Legacy of Mary Jackson": Focuses specifically on the life and achievements of Mary Jackson, the first Black female engineer at NASA.
1. "Dorothy Vaughan and the rise of Fortran Programming": Details Dorothy Vaughan's pioneering work with FORTRAN, a critical programming language in early space computation.
1. "Katherine Johnson's Mathematical Genius: Beyond the Space Race": Explores the range of Johnson's mathematical contributions throughout her career.
1. "The West Area Computers: A closer look at the segregated computing pool": Investigates the specific circumstances and working conditions faced by the women in the West Area Computers at Langley.
1. "Challenging the Narrative: Overcoming Systemic Racism in STEM": Analyzes the challenges faced by women of color in STEM fields, placing the story of the Hidden Figures within a wider context.

1. "The impact of Hidden Figures on STEM education": Examines the effect of the book and subsequent media attention on increasing diversity in STEM fields.
1. "Beyond Calculation: The Cultural Impact of Hidden Figures": Explores the broader cultural and societal implications of the Hidden Figures story.
1. "Documenting the Untold Stories: Archival Research on the West Area Computers": Discusses the methods and sources used by historians to uncover the previously unknown stories of these women.

a hidden figure of the space race answer key: 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.

a hidden figure of the space race answer key: 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.

a hidden figure of the space race answer key: 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.

a hidden figure of the space race answer key: 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.

a hidden figure of the space race answer key: The Story Grid Shawn Coyne, 2015-05-02 WHAT IS THE STORY GRID? The Story Grid is a tool developed by editor Shawn Coyne to analyze stories and provide helpful editorial comments. It's like a CT Scan that takes a photo of the global story and tells the editor or writer what is working, what is not, and what must be done to make what works better and fix what's not. The Story Grid breaks down the component parts of stories to identify the problems. And finding the problems in a story is almost as difficult as the writing of the story itself (maybe even more difficult). The Story Grid is a tool with many applications: 1. It will tell a writer if a Story ?works? or ?doesn't work. 2. It pinpoints story problems but does not emotionally abuse the writer, revealing exactly where a Story (not the person creating the Story'the Story) has failed. 3. It will tell the writer the specific work necessary to fix that Story's problems. 4. It is a tool to re-envision and resuscitate a seemingly irredeemable pile of paper stuck in an attic drawer. 5. It is a tool that can inspire an original creation.

a hidden figure of the space race answer key: Determination of Azimuth Angle at Burnout for Placing a Satellite Over a Selected Earth Position T. H. Skopinski, Katherine G. Johnson, 1960

a hidden figure of the space race answer key: Code Girls Liza Mundy, 2017-10-10 The award-winning New York Times bestseller about the American women who secretly served as

codebreakers during World War II--a prodigiously researched and engrossing (New York Times) book that shines a light on a hidden chapter of American history (Denver Post). Recruited by the U.S. Army and Navy from small towns and elite colleges, more than ten thousand women served as codebreakers during World War II. While their brothers and boyfriends took up arms, these women moved to Washington and learned the meticulous work of code-breaking. Their efforts shortened the war, saved countless lives, and gave them access to careers previously denied to them. A strict vow of secrecy nearly erased their efforts from history; now, through dazzling research and interviews with surviving code girls, bestselling author Liza Mundy brings to life this riveting and vital story of American courage, service, and scientific accomplishment.

a hidden figure of the space race answer key: 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.

a hidden figure of the space race answer key: Data Feminism Catherine D'Ignazio, Lauren F. Klein, 2020-03-31 A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In Data Feminism, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever "speak for themselves." Data Feminism offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But Data Feminism is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.

a hidden figure of the space race answer key: Human Dimension and Interior Space Julius Panero, Martin Zelnik, 2014-01-21 The study of human body measurements on a comparative basis is known as anthropometrics. Its applicability to the design process is seen in the physical fit, or interface, between the human body and the various components of interior space. Human Dimension and Interior Space is the first major anthropometrically based reference book of design standards for use by all those involved with the physical planning and detailing of interiors, including interior designers, architects, furniture designers, builders, industrial designers, and students of design. The use of anthropometric data, although no substitute for good design or sound professional judgment should be viewed as one of the many tools required in the design process. This comprehensive overview of anthropometrics consists of three parts. The first part deals with the theory and application of anthropometrics and includes a special section dealing with physically disabled and elderly people. It provides the designer with the fundamentals of anthropometrics and a basic understanding of how interior design standards are established. The second part contains

easy-to-read, illustrated anthropometric tables, which provide the most current data available on human body size, organized by age and percentile groupings. Also included is data relative to the range of joint motion and body sizes of children. The third part contains hundreds of dimensioned drawings, illustrating in plan and section the proper anthropometrically based relationship between user and space. The types of spaces range from residential and commercial to recreational and institutional, and all dimensions include metric conversions. In the Epilogue, the authors challenge the interior design profession, the building industry, and the furniture manufacturer to seriously explore the problem of adjustability in design. They expose the fallacy of designing to accommodate the so-called average man, who, in fact, does not exist. Using government data, including studies prepared by Dr. Howard Stoudt, Dr. Albert Damon, and Dr. Ross McFarland, formerly of the Harvard School of Public Health, and Jean Roberts of the U.S. Public Health Service, Panero and Zelnik have devised a system of interior design reference standards, easily understood through a series of charts and situation drawings. With *Human Dimension and Interior Space*, these standards are now accessible to all designers of interior environments.

a hidden figure of the space race answer key: America is for Everybody United States Employment Service, 1963

a hidden figure of the space race answer key: Look Both Ways Jason Reynolds, 2020-10-27 A collection of ten short stories that all take place in the same day about kids walking home from school--

a hidden figure of the space race answer key: The Fabric of the Cosmos Brian Greene, 2007-12-18 NATIONAL BESTSELLER • From one of the world's leading physicists and author of the Pulitzer Prize finalist *The Elegant Universe*, comes "an astonishing ride" through the universe (*The New York Times*) that makes us look at reality in a completely different way. Space and time form the very fabric of the cosmos. Yet they remain among the most mysterious of concepts. Is space an entity? Why does time have a direction? Could the universe exist without space and time? Can we travel to the past? Greene has set himself a daunting task: to explain non-intuitive, mathematical concepts like String Theory, the Heisenberg Uncertainty Principle, and Inflationary Cosmology with analogies drawn from common experience. From Newton's unchanging realm in which space and time are absolute, to Einstein's fluid conception of spacetime, to quantum mechanics' entangled arena where vastly distant objects can instantaneously coordinate their behavior, Greene takes us all, regardless of our scientific backgrounds, on an irresistible and revelatory journey to the new layers of reality that modern physics has discovered lying just beneath the surface of our everyday world.

a hidden figure of the space race answer key: *The Sense of an Ending* Julian Barnes, 2011-10-05 BOOKER PRIZE WINNER • NATIONAL BESTSELLER • A novel that follows a middle-aged man as he contends with a past he never much thought about—until his closest childhood friends return with a vengeance: one of them from the grave, another maddeningly present. A novel so compelling that it begs to be read in a single setting, *The Sense of an Ending* has the psychological and emotional depth and sophistication of Henry James at his best, and is a stunning achievement in Julian Barnes's oeuvre. Tony Webster thought he left his past behind as he built a life for himself, and his career has provided him with a secure retirement and an amicable relationship with his ex-wife and daughter, who now has a family of her own. But when he is presented with a mysterious legacy, he is forced to revise his estimation of his own nature and place in the world.

a hidden figure of the space race answer key: *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.

a hidden figure of the space race answer key: Plasmas in Space Morton A. Levine, 1966

a hidden figure of the space race answer key: American Moonshot Douglas Brinkley, 2019-04-02 Instant New York Times Bestseller As the fiftieth anniversary of the first lunar landing approaches, the award winning historian and perennial New York Times bestselling author takes a fresh look at the space program, President John F. Kennedy's inspiring challenge, and America's race to the moon. "We choose to go to the Moon in this decade and do the other things, not because they are easy, but because they are hard; because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone, and one we intend to win."—President John F. Kennedy On May 25, 1961, JFK made an astonishing announcement: his goal of putting a man on the moon by the end of the decade. In this engrossing, fast-paced epic, Douglas Brinkley returns to the 1960s to recreate one of the most exciting and ambitious achievements in the history of humankind. American Moonshot brings together the extraordinary political, cultural, and scientific factors that fueled the birth and development of NASA and the Mercury, Gemini and Apollo projects, which shot the United States to victory in the space race against the Soviet Union at the height of the Cold War. Drawing on new primary source material and major interviews with many of the surviving figures who were key to America's success, Brinkley brings this fascinating history to life as never before. American Moonshot is a portrait of the brilliant men and women who made this giant leap possible, the technology that enabled us to propel men beyond earth's orbit to the moon and return them safely, and the geopolitical tensions that spurred Kennedy to commit himself fully to this audacious dream. Brinkley's ensemble cast of New Frontier characters include rocketeer Wernher von Braun, astronaut John Glenn and space booster Lyndon Johnson. A vivid and enthralling chronicle of one of the most thrilling, hopeful, and turbulent eras in the nation's history, American Moonshot is an homage to scientific ingenuity, human curiosity, and the boundless American spirit.

a hidden figure of the space race answer key: Everything Is Cinema Richard Brody, 2008-05-13 From New Yorker film critic Richard Brody, Everything Is Cinema: The Working Life of Jean-Luc Godard presents a serious-minded and meticulously detailed . . . account of the lifelong artistic journey of one of the most influential filmmakers of our age (The New York Times). When Jean-Luc Godard wed the ideals of filmmaking to the realities of autobiography and current events, he changed the nature of cinema. Unlike any earlier films, Godard's work shifts fluidly from fiction to documentary, from criticism to art. The man himself also projects shifting images—cultural hero, fierce loner, shrewd businessman. Hailed by filmmakers as a—if not the—key influence on cinema, Godard has entered the modern canon, a figure as mysterious as he is indispensable. In Everything Is Cinema, critic Richard Brody has amassed hundreds of interviews to demystify the elusive director and his work. Paying as much attention to Godard's technical inventions as to the political forces of the postwar world, Brody traces an arc from the director's early critical writing, through his popular success with Breathless, to the grand vision of his later years. He vividly depicts Godard's wealthy conservative family, his fluid politics, and his tumultuous dealings with women and fellow New Wave filmmakers. Everything Is Cinema confirms Godard's greatness and shows decisively that his films have left their mark on screens everywhere.

a hidden figure of the space race answer key: The New LiBEARian Alison Donald, 2018 When the children discover a bear at the librarian's desk at story time, they think he's the new librarian. He's not!--

a hidden figure of the space race answer key: Long Way Down Jason Reynolds, 2017-10-24 "An intense snapshot of the chain reaction caused by pulling a trigger." —Booklist (starred review)

“Astonishing.” —Kirkus Reviews (starred review) “A tour de force.” —Publishers Weekly (starred review) A Newbery Honor Book A Coretta Scott King Honor Book A Printz Honor Book A Time Best YA Book of All Time (2021) A Los Angeles Times Book Prize Winner for Young Adult Literature Longlisted for the National Book Award for Young People’s Literature Winner of the Walter Dean Myers Award An Edgar Award Winner for Best Young Adult Fiction Parents’ Choice Gold Award Winner An Entertainment Weekly Best YA Book of 2017 A Vulture Best YA Book of 2017 A BuzzFeed Best YA Book of 2017 An ode to Put the Damn Guns Down, this is New York Times bestselling author Jason Reynolds’s electrifying novel that takes place in sixty potent seconds—the time it takes a kid to decide whether or not he’s going to murder the guy who killed his brother. A cannon. A strap. A piece. A biscuit. A burner. A heater. A chopper. A gat. A hammer A tool for RULE Or, you can call it a gun. That’s what fifteen-year-old Will has shoved in the back waistband of his jeans. See, his brother Shawn was just murdered. And Will knows the rules. No crying. No snitching. Revenge. That’s where Will’s now heading, with that gun shoved in the back waistband of his jeans, the gun that was his brother’s gun. He gets on the elevator, seventh floor, stoked. He knows who he’s after. Or does he? As the elevator stops on the sixth floor, on comes Buck. Buck, Will finds out, is who gave Shawn the gun before Will took the gun. Buck tells Will to check that the gun is even loaded. And that’s when Will sees that one bullet is missing. And the only one who could have fired Shawn’s gun was Shawn. Huh. Will didn’t know that Shawn had ever actually USED his gun. Bigger huh. BUCK IS DEAD. But Buck’s in the elevator? Just as Will’s trying to think this through, the door to the next floor opens. A teenage girl gets on, waves away the smoke from Dead Buck’s cigarette. Will doesn’t know her, but she knew him. Knew. When they were eight. And stray bullets had cut through the playground, and Will had tried to cover her, but she was hit anyway, and so what she wants to know, on that fifth floor elevator stop, is, what if Will, Will with the gun shoved in the back waistband of his jeans, MISSES. And so it goes, the whole long way down, as the elevator stops on each floor, and at each stop someone connected to his brother gets on to give Will a piece to a bigger story than the one he thinks he knows. A story that might never know an END...if Will gets off that elevator. Told in short, fierce staccato narrative verse, Long Way Down is a fast and furious, dazzlingly brilliant look at teenage gun violence, as could only be told by Jason Reynolds.

a hidden figure of the space race answer key: Counting on Katherine: How Katherine Johnson Saved Apollo 13 Helaine Becker, 2018-06-19 Learn how Katherine Johnson saved Apollo 13.

a hidden figure of the space race answer key: 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

a hidden figure of the space race answer key: *History at NASA* , 1986

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a hidden figure of the space race answer key: The Formula Ronald F. Ferguson, Tatsha Robertson, 2019-02-05 We all want our children to reach their fullest potential—to be smart and well

adjusted, and to make a difference in the world. We wonder why, for some people, success seems to come so naturally. Could the secret be how they were parented? This book unveils how parenting helped shape some of the most fascinating people you will ever encounter, by doing things that almost any parent can do. You don't have to be wealthy or influential to ensure your child reaches their greatest potential. What you do need is commitment—and the strategies outlined in this book. In *The Formula: Unlocking the Secrets to Raising Highly Successful Children*, Harvard economist Ronald Ferguson, named in a New York Times profile as the foremost expert on the US educational achievement gap, along with award-winning journalist Tatsha Robertson, reveal an intriguing blueprint for helping children from all types of backgrounds become successful adults. Informed by hundreds of interviews, the book includes never-before-published insights from the How I was Parented Project at Harvard University, which draws on the varying life experiences of 120 Harvard students. Ferguson and Robertson have isolated a pattern with eight roles of the Master Parent that make up the Formula: the Early Learning Partner, the Flight Engineer, the Fixer, the Revealer, the Philosopher, the Model, the Negotiator, and the GPS Navigational Voice. The Formula combines the latest scientific research on child development, learning, and brain growth and illustrates with life stories of extraordinary individuals—from the Harvard-educated Ghanian entrepreneur who, as the young child of a rural doctor, was welcomed in his father's secretive late-night political meetings; to the nation's youngest state-wide elected official, whose hardworking father taught him math and science during grueling days on the family farm in Kentucky; to the DREAMer immigration lawyer whose low-wage mother pawned her wedding ring to buy her academically outstanding child a special flute. The Formula reveals strategies on how you—regardless of race, class, or background—can help your children become the best they can be and shows ways to maximize their chances for happy and purposeful lives.

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Starting with space exploration's origins in the pioneering work undertaken by ancient civilizations and the great discoveries of the Renaissance thinkers, Launius also devotes whole chapters to our space race to the Moon, space planes and orbital stations, and the lure of the red planet Mars. He also offers new insights into well-known moments such as the launch of Sputnik 1 and the Apollo Moon landing and explores the unexpected events and hidden figures of space history. The final chapters cover the technological and mechanical breakthroughs enabling humans to explore far beyond our own planet in recent decades, speculating on the future of space exploration, including space tourism and our possible future as an extraterrestrial species. This is a must-read for space buffs and everyone intrigued by the history and future of scientific discovery. This oversized offering is a space nerd's dream come true. —Booklist

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Follows Dorothy Vaughan's path from math teacher to human computer as well as her success as first African American supervisor at her company.

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From one of our most important scholars and civil rights activist icon, a powerful study of the women's liberation movement and the tangled knot of oppression facing Black women. "Angela Davis is herself a woman of undeniable courage. She should be heard."—The New York Times
Angela Davis provides a powerful history of the social and political influence of whiteness and elitism in feminism, from abolitionist days to the present, and demonstrates how the racist and classist biases of its leaders inevitably hampered any collective ambitions. While Black women were aided by some activists like Sarah and Angelina Grimke and the suffrage cause found unwavering support in Frederick Douglass, many women played on the fears of white supremacists for political gain rather than take an intersectional approach to liberation. Here, Davis not only contextualizes the legacy and pitfalls of civil and women's rights activists, but also discusses Communist women, the murder of Emmitt Till, and Margaret Sanger's racism. Davis shows readers how the inequalities between Black and white women influence the contemporary issues of rape, reproductive freedom, housework and child care in this bold and indispensable work.

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As Space X works to reduce the barriers of access to space and Virgin Galactic forges a path to commercial spaceflight for the masses, we have begun to cross the realms of science fiction into the reality of humans viewing the cosmos with their own eyes. Part of an internationally bestselling series, 30-Second Space Travel sees a team of expert astronomers hand-pick the 50 most exciting topics and essential concepts in the field of space exploration and break down each subject into an easily accessible summary that takes just half a minute to understand. Beginning with Galileo and the early telescope explorers of the Renaissance, via the physics of orbital mechanics and the Apollo and Sputnik missions of the Space Race, and on to a future of space tourism and planetary colonisation, this book will open up a whole universe of space travel and leave you eager to research the field in more depth.

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