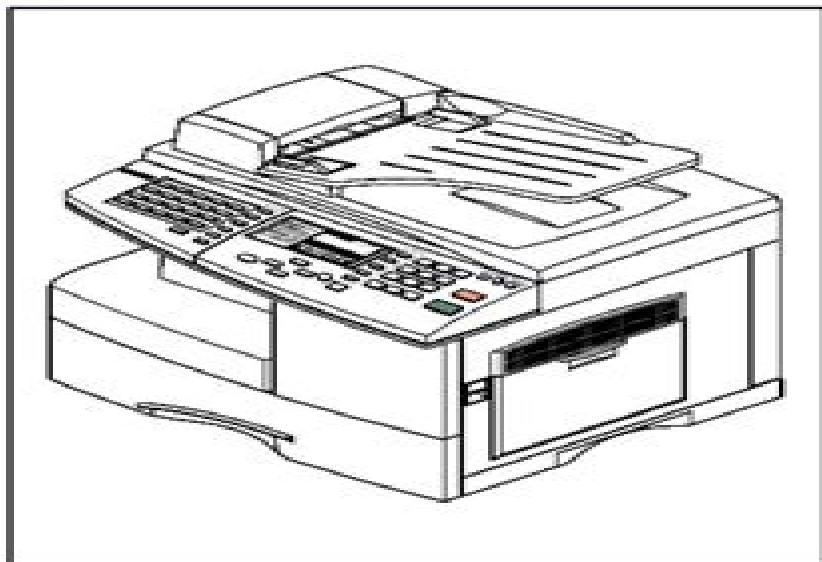


SAMSUNG

DIGITAL LASER MFP
SCX-5315F Series
SCX-5315F
SCX-5115

SERVICE* *MANUAL

DIGITAL LASER MFP



CONTENTS

- 1. Precautions**
- 2. Specifications**
- 3. Disassembly**
- 4. Troubleshooting**
- 5. Exploded Views and Parts List**
- 6. Block Diagram**
- 7. Connection Diagram**

Samsung Scx 5x15 Manual

Rosina Ehmann



Samsung Scx 5x15 Manual:

Samsung Galaxy ,2014

Samsung Galaxy ,2022

Samsung Galaxy Manual Russ Ware,

Embark on a transformative journey with is captivating work, Grab Your Copy of **Samsung Scx 5x15 Manual** . This enlightening ebook, available for download in a convenient PDF format PDF Size: , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

https://crm.avenza.com/data/detail/HomePages/Pontiac_Gto_Restoration_Guide.pdf

Table of Contents Samsung Scx 5x15 Manual

1. Understanding the eBook Samsung Scx 5x15 Manual
 - The Rise of Digital Reading Samsung Scx 5x15 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Samsung Scx 5x15 Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Samsung Scx 5x15 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Samsung Scx 5x15 Manual
 - Personalized Recommendations
 - Samsung Scx 5x15 Manual User Reviews and Ratings
 - Samsung Scx 5x15 Manual and Bestseller Lists
5. Accessing Samsung Scx 5x15 Manual Free and Paid eBooks
 - Samsung Scx 5x15 Manual Public Domain eBooks
 - Samsung Scx 5x15 Manual eBook Subscription Services
 - Samsung Scx 5x15 Manual Budget-Friendly Options

6. Navigating Samsung Scx 5x15 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Samsung Scx 5x15 Manual Compatibility with Devices
 - Samsung Scx 5x15 Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Samsung Scx 5x15 Manual
 - Highlighting and Note-Taking Samsung Scx 5x15 Manual
 - Interactive Elements Samsung Scx 5x15 Manual
8. Staying Engaged with Samsung Scx 5x15 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Samsung Scx 5x15 Manual
9. Balancing eBooks and Physical Books Samsung Scx 5x15 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Samsung Scx 5x15 Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Samsung Scx 5x15 Manual
 - Setting Reading Goals Samsung Scx 5x15 Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Samsung Scx 5x15 Manual
 - Fact-Checking eBook Content of Samsung Scx 5x15 Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

Samsung Scx 5x15 Manual Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Samsung Scx 5x15 Manual free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Samsung Scx 5x15 Manual free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Samsung Scx 5x15 Manual free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Samsung Scx 5x15 Manual. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research

papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Samsung Scx 5x15 Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Samsung Scx 5x15 Manual Books

1. Where can I buy Samsung Scx 5x15 Manual books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Samsung Scx 5x15 Manual book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Samsung Scx 5x15 Manual books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Samsung Scx 5x15 Manual audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media

or recommend them to friends.

9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Samsung Scx 5x15 Manual books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Samsung Scx 5x15 Manual :

[pontiac gto restoration guide](#)

police report from greyhound murder

political science guide for class 12

poppie die drama summaries of each chapter in english

polyatomic ions pogil key

[porn stars more than just moans volume 1](#)

polycom phone soundpoint ip 550 manual

polish sausage sauce recipe

[police lieutenant orientation guide](#)

~~polk audio-surroundbar sda manual~~

~~pontiac trans-sport power mirror wiring diagram~~

~~polymegraveres en ambiance nucleacutenaire comportement agrave long terme~~

pontiac montana service repair manual

[poor man pound cake recipe](#)

pontiac firefly repair manual

Samsung Scx 5x15 Manual :

[educational administration sage publications inc - Jul 06 2023](#)

web the bestselling educational administration concepts and practices has been considered the standard for all educational administration textbooks for three decades a thorough and comprehensive revision the seventh edition continues to balance theory and research with practical application for prospective and practicing school administrators

educational administration concepts and practices - Aug 07 2023

web feb 17 2011 the authors discuss all topics necessary for a complete understanding of educational administration balancing theory and research with practical coverage of culture change curriculum human resources administration diversity effective teaching strategies and supervision of instruction

educational administration 7th edition vitalsource - Jun 24 2022

web educational administration concepts and practices 7th edition is written by frederick c lunenburg allan ornstein and published by sage publications inc the digital and etextbook isbn for educational administration are 9781544373621 1544373627 and the print isbn are 9781544373607 1544373600

educational administration concepts and practices - Apr 03 2023

web welcome to the sage edge site for educational administration seventh edition the bestselling educational administration concepts and practices has been considered the standard for all educational administration textbooks for three decades

educational administration concepts and practices edition 7 - Nov 29 2022

web the bestselling educational administration concepts and practices has been considered the standard for all educational administration textbooks for three decades a thorough and comprehensive revision the seventh edition continues to balance theory and research with practical application for prospective and practicing school administrators

educational administration concepts and practices - May 04 2023

web oct 13 1995 education educational administration concepts and practices the best selling most comprehensive and respected text on the market discusses all topics covered by other educational administration texts and more culture change curriculum human resources administration diversity effective

educational administration theory research and practice - Aug 27 2022

web feb 1 2008 the text focuses on three underlying assumptions about the field of educational administration first there is a fair amount of knowledge about educational administration as an organization that is neglected by those in the field second that schools should be viewed as open systems to best organize and apply the theory and

educational administration concepts and practices - Sep 08 2023

web mar 30 2021 educational administration concepts and practices epub generate educational administration theory research and practice 2 epub

educational administration theory and practice - Apr 22 2022

web introduction the educational administration theory and practice publishes prominent empirical and conceptual articles focused on timely and critical leadership and policy issues of educational organizations the journal embraces traditional and emergent research paradigms methods and issues

educational administration concepts and practices - Jun 05 2023

web feb 17 2011 the authors discuss all topics necessary for a complete understanding of educational administration balancing theory and research with practical coverage of culture change curriculum human

educational administration concepts and practices google - Sep 27 2022

web bibliographic information drawing on the best of management techniques in business and other disciplines this book presents the administration theories research and practices most effective

administration 5 concepts and studies of educational - May 24 2022

web as the theoretical basis for describing many of the concepts practices and issues in educational administration seven chapters cover the following topics 1 the system of education 2 the legal basis for education 3 the use of theory and research in educational administration 4 concepts and principles of organization and

educational administration concepts and practices google - Oct 29 2022

web educational administration concepts and practices the best selling most comprehensive and respected text on the market discusses all topics covered by other educational administration texts and more culture change curriculum human resources administration diversity effective teaching strategies and supervision of

importance of educational administration learning - Feb 18 2022

web importance in understanding educational administration for the purpose of becoming an effective leader or manager who is in charge of an educational institution needs to be familiar with the theoretical concepts and best practices relating to educational administration in trying to gain a

educational administration concepts and practices google - Mar 02 2023

web jan 12 2021 balancing theory research and practical applications educational administration concepts and practices is the best selling and most comprehensive text of its kind this practical applied

educational administration concepts and practices google - Feb 01 2023

web aug 25 2020 this practical applied approach to educational administration guides future administrators through the theories and research based practices to apply them to their own professional

educational administration concepts and practices google - Oct 09 2023

web jan 13 2021 frederick c lunenburg allan ornstein sage publications jan 13 2021 education 584 pages now with sage publishing the bestselling educational administration concepts and practices has

educational administration concepts and practices google books - Dec 31 2022

web the authors discuss all topics necessary for a complete understanding of educational administration balancing theory and research with practical coverage of culture change curriculum human

educational administration by frederick c lunenburg open - Mar 22 2022

web aug 8 2018 educational administration concepts and practices december 6 1999 wadsworth publishing company
hardcover in english 3 edition

educational administration 7th ed by fred c lunenburg ebook - Jul 26 2022

web the bestselling educational administration concepts and practices has been considered the standard for all educational administration textbooks for three decades a thorough and comprehensive revision the seventh edition continues to balance theory and research with practical application for prospective and practicing school administrators

the kew gardener s guide to growing house plants - Sep 21 2023

the kew gardener s guide to growing house plants has all the answers showing you how to find the right plants for your home and the right home for your plants endorsed by experts at the royal botanic gardens kew this is the definitive handbook to growing the coolest cacti succulents air plants foliage and flowering plants

the kew gardener s guide to growing house plants - Mar 15 2023

kew growing house plants is an illustrated guide to the most trendy and popular indoor plants with advice on choosing growing styling projects and propagation

kew gardener s guide to growing shrubs the kew shop - Apr 04 2022

combining the authority and expertise of the royal botanic gardens kew with beautiful artworks and practical advice the kew gardener s guide to shrubs serves to inform and inspire gardeners with 12 easy to follow projects and information on 50 of the most popular shrub varieties to grow you ll discover how these low maintenance plants are the

the kew gardener s guide to growing house plants - Nov 11 2022

apr 16 2019 the kew gardener s guide to growing house plants is a guide to keeping houseplants healthy and thriving at home released 7th march 2019 by quarto on their white lion imprint it s 144 pages and available in ebook and hardcover format

the kew gardener s guide to growing house plants the art and - Oct 10 2022

kew s gardener s guide to growing house plants is a beautifully illustrated giftable gardening reference book combining exquisite botanical illustrations with practical indoor projects readers can discover over 70 life changing plants and 12 home transforming projects

loading interface goodreads - Jul 07 2022

discover and share books you love on goodreads

the kew gardener s guide to growing herbs the kew shop - May 05 2022

underpinned by the authority of the royal botanic gardens kew and the expertise of holly farrell this is the definitive guide to

propagating growing harvesting and using more than 75 herbs in the most interesting ways from planting a green roof to making home made pesto

the kew gardener s guide to growing house plants the art and - Feb 14 2023

apr 16 2019 the kew gardener s guide to growing house plants the art and science to grow your own house plants 144 by kay maguire kew royal botanic gardens jason ingram photographer kay maguire

the kew gardener s guide to growing house plants the art and - Aug 20 2023

the kew gardener s guide to growing house plants the art and science to grow your own house plants kew experts kay maguire kew royal botanic gardens amazon com tr kitap kitap ev bahçe ve hobi bahçecilik ve peyzaj tasarımı amazon daki diğer satıcılar satıcı books etc 406 47 tl kargo bedava satıcı book depository united kingdom

the kew gardener s guide to growing trees google books - Aug 08 2022

nov 2 2021 the kew gardener s guide to growing trees is part of the kew gardener s guide to growing series a collection of books from kew s top experts filled with tips projects and

kay maguire author of the kew gardener s guide to growing house plants - Sep 09 2022

kay maguire is the author of the kew gardener s guide to growing house plants 3 97 avg rating 158 ratings 42 reviews published 2019 rhs red hot chi

the kew gardener s guide to growing house plants google - Jun 18 2023

apr 16 2019 starting from the premise that we want to show how to grow the right plant in the right place we demonstrate the benefits of all common house plants and how to care and curate them in the

the kew gardener s guide to growing bulbs the kew shop - Jun 06 2022

written and endorsed by experts at the royal botanic gardens kew the kew gardener s guide to growing bulbs is the definite handbook to storing planting and displaying them sixty six different plants are profiled with lists of the very best cultivars and twelve exciting projects offer inspiration for a range of uses in different garden

the kew gardener s guide to growing fruit the kew shop - Feb 02 2022

the kew gardener s guide to growing fruit is a comprehensive handbook packed with useful advice on growing pruning harvesting and propagating every crop from mature apple trees to strawberry hanging baskets

the kew gardener s companion to growing house plants the - Jan 13 2023

buy the kew gardener s companion to growing house plants the art and science to grow your own house plants 3 kew experts illustrated by kew royal botanic gardens kay maguire jason ingram photographer isbn 9780711240001 from

the kew gardener s guide to growing house plants - Apr 16 2023

we show how to find the right home for your plants and the right plants for your home the kew gardener s guide to growing

house plants is a beautifully illustrated giftable gardening reference book combining exquisite botanical illustrations with practical indoor projects

the kew gardener s guide to growing house plants the art and - May 17 2023

the kew gardener s guide to growing house plants is a beautifully illustrated giftable gardening reference book combining exquisite botanical illustrations with practical indoor projects readers can discover over 75 life changing plants and 12 home transforming projects

kew gardener s guide to growing perennials the kew shop - Mar 03 2022

this guide is a perfect mix of practical and giftable gardening reference for the entry level enthusiast who wants to find out more about perennials and wants to grow them successfully combining the authority and expertise of the royal botanic gardens kew with illustrations from kew s extensive archives this is a giftable hardback for

the kew gardener s guide to growing house plants the art and - Jul 19 2023

apr 16 2019 the kew gardener s guide to growing house plants the art and science to grow your own house plants volume 3 kew experts 3 kay maguire kew royal botanic gardens jason ingram on amazon com free shipping on qualifying offers

the kew gardener s guide to growing house plants the art and - Dec 12 2022

apr 16 2019 the kew gardener s guide to growing house plants the art and science to grow your own house plants volume 3 kay maguire kew royal botanic gardens jason ingram 9780711240001 books amazon ca

think grow rich oracle apex - Jul 14 2023

web this electronic ebook edition published in 2007 at think and grow rich ebook com is a reproduction of the complete 1937 version originally published by the the ralston society and is now in the public domain think and grow rich is

think and grow rich napoleon hill fiyat satın al d r - Oct 05 2022

web think and grow rich kitap açıklaması napoleon hill america s most beloved motivational author devoted 25 years to finding out how the wealthy became that way after interviewing over 500 of the most affluent men and women of his time he uncovered the secret to great wealth based on the notion that if we can learn to think like the rich

think and grow rich by napoleon hill goodreads - Mar 10 2023

web his most famous work think and grow rich 1937 is one of the best selling books of all time at the time of hill s death in 1970 think and grow rich had sold 20 million copies hill s works examined the power of personal beliefs and the role they play in

think and grow rich by napoleon hill open library - Mar 30 2022

web dec 23 2020 584 currently reading 218 have read the workbook unlocks the secrets hidden between the lines napoleon hill was quoted as saying you can t really get think and grow rich by reading it just once there is just as much written

between the lines as there is written in the lines themselves

think and grow rich english edition kindle ausgabe amazon de - Apr 30 2022

web kindle shop kindle ebooks fremdsprachige ebooks audible hörprobe den autoren folgen alle anzeigen napoleon hill andrew carnegie think and grow rich english edition kindle ausgabe englisch ausgabe von napoleon hill autor lhn books autor format kindle ausgabe 92 067 sternbewertungen alle formate und editionen

think and grow rich english edition kindle □ □ □ □ - Jul 02 2022

web jan 9 2023 think and grow rich english edition kindle □ the most famous of all teachers of success spent a fortune and the better part of a lifetime of effort to produce the law of success philosophy that forms the basis of his books and that is so powerfully summarized and explained for the general public in this book

think and grow rich english kindle edition amazon com - Feb 09 2023

web jul 15 2020 charles conrad napoleon hill think and grow rich english kindle edition by napoleon hill author format kindle edition 96 162 ratings amazon charts 17 this week see all formats and editions kindle 3 31 read with our free app audiobook 0 00 free with your audible trial hardcover

think and grow rich the landmark bestseller now revised - May 12 2023

web jan 1 2005 think and grow rich the landmark bestseller now revised and updated for the 21st century think and grow rich series napoleon hill arthur r pell on amazon com free shipping on qualifying offers

editions of think and grow rich by napoleon hill goodreads - Aug 15 2023

web think and grow rich the original an official publication of the napoleon hill foundation kindle edition published march 1st 2019 by sound wisdom original edition kindle edition 388 pages more details want to read rate this book 1 of 5 stars 2 of 5 stars 3 of 5 stars 4 of 5 stars 5 of 5 stars

think and grow rich free download borrow and streaming - Jun 01 2022

web jun 25 2017 language english think and grow rich napoleon hill pdf addeddate 2017 06 25 00 16 31 identifier thinkandgrowrichpdf 201706 identifier ark ark 13960 t1tf5cz3f

download pdf napoleon hill think and grow rich the 21st - Feb 26 2022

web download napoleon hill think and grow rich the 21st century updated edition this document was uploaded by user and they confirmed that they have the permission to share it if you are author or own the copyright of this book please report to us by using this dmca report form report dmca

think and grow rich the original version restored and - Dec 27 2021

web this is the only edition of think and grow rich that is fully annotated and indexed providing key details about dr hill s life and times his lifelong research and the leaders of business and industry he studied to glean the invaluable principles of

success you ll discover here think and grow rich the original version restored and revised

think and grow rich by napoleon hill summary oberlo - Jan 28 2022

web jun 10 2023 blog think and grow rich by napoleon hill summary article by elle mcfarlane 10 jun 2023 post contents 1

what is think and grow rich about 2 what are the 13 principles of think and grow rich 3 desire the starting point of all

achievement in the autumn of 1908 steel magnate andrew carnegie gave the young journalist

think and grow rich the original an official publication of the - Nov 06 2022

web think and grow rich over 80 million copies sold this edition of napoleon hill s classic t hink and grow rich is a

reproduction of napoleon hill s personal copy of the first edition the only original version recommended by the napoleon hill

foundation originally printed in march of 1937 the most famous of all teachers of success spent a

think and grow rich by napoleon hill open library - Aug 03 2022

web dec 7 2022 think and grow rich by napoleon hill 2005 jeremy p tarcher penguin edition in english new ed rev and

expanded by arthur r pell 1st jeremy p tarcher penguin ed

formats and editions of think and grow rich worldcat org - Sep 04 2022

web showing all editions for think and grow rich sort by format all formats 679 book 120 print book 553 ebook 120 large

print 4 microform 2 refine your search year 2018 english 2022 quebec tgr 2 think and grow rich 2 think and grow rich by

napoleon hill overdrive inc ebook document english 2022

think and grow rich google books - Dec 07 2022

web mar 17 2015 this is the only edition of think and grow rich that is fully annotated and indexed providing key details

about dr hill s life and times his life long research and the leaders of business and industry he studied to learn the invaluable

principles of success you ll discover here

think and grow rich english kindle edition amazon in - Jan 08 2023

web think and grow rich english kindle edition by napoleon hill author format kindle edition 93 434 ratings see all formats

and editions kindle edition 7 00 read with our free app audiobook 0 00 free with your audible trial

think and grow rich the 21st century edition amazon com tr - Jun 13 2023

web think and grow rich the 21st century edition napoleon hill arthur pell amazon com tr kitap kitap İş ve ekonomi muhasebe

normal fiyat 251 49 tl fiyatlara kdv dahildir Ücretsiz teslimat 13 14 eylül ayrıntılar teslimat adresini seçin stokta sadece 2

adet kaldı miktar sepete ekle Şimdi al güvenli işlem gönderici kitapbulanithal

think and grow rich wikipedia - Apr 11 2023

web think and grow rich is a book written by napoleon hill and rosa lee beeland released in 1937 and promoted as a personal

development and self improvement book he claimed to be inspired by a suggestion from business magnate and later

