

**SAMSUNG**

# **GSM TELEPHONE**

## **SGH-A437**

# ***SERVICE* Manual**

### **GSM TELEPHONE**



### **CONTENTS**

1. Safety Precautions
2. Specification
3. Operation Instruction and Installation
4. Array course control
5. Exploded View/Disassembly and Assembly Instructions
6. MAIN Electrical Parts List
7. Block Diagrams
8. PCB Diagrams
9. Flow Chart of Troubleshooting
10. Reference data

# Samsung Sgh A437 User Manual

**R Sandford**



## **Samsung Sgh A437 User Manual:**

This book delves into Samsung Sgh A437 User Manual. Samsung Sgh A437 User Manual is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Samsung Sgh A437 User Manual, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Samsung Sgh A437 User Manual
- Chapter 2: Essential Elements of Samsung Sgh A437 User Manual
- Chapter 3: Samsung Sgh A437 User Manual in Everyday Life
- Chapter 4: Samsung Sgh A437 User Manual in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Samsung Sgh A437 User Manual. The first chapter will explore what Samsung Sgh A437 User Manual is, why Samsung Sgh A437 User Manual is vital, and how to effectively learn about Samsung Sgh A437 User Manual.

3. In chapter 2, this book will delve into the foundational concepts of Samsung Sgh A437 User Manual. This chapter will elucidate the essential principles that must be understood to grasp Samsung Sgh A437 User Manual in its entirety.

4. In chapter 3, the author will examine the practical applications of Samsung Sgh A437 User Manual in daily life. The third chapter will showcase real-world examples of how Samsung Sgh A437 User Manual can be effectively utilized in everyday scenarios.

5. In chapter 4, the author will scrutinize the relevance of Samsung Sgh A437 User Manual in specific contexts. The fourth chapter will explore how Samsung Sgh A437 User Manual is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, this book will draw a conclusion about Samsung Sgh A437 User Manual. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Samsung Sgh A437 User Manual.

<https://crm.avenza.com/results/Resources/Documents/Notebook%20Paper%20Heading.pdf>

## **Table of Contents Samsung Sgh A437 User Manual**

1. Understanding the eBook Samsung Sgh A437 User Manual
  - The Rise of Digital Reading Samsung Sgh A437 User Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Samsung Sgh A437 User 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 Sgh A437 User Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Samsung Sgh A437 User Manual
  - Personalized Recommendations
  - Samsung Sgh A437 User Manual User Reviews and Ratings
  - Samsung Sgh A437 User Manual and Bestseller Lists
5. Accessing Samsung Sgh A437 User Manual Free and Paid eBooks
  - Samsung Sgh A437 User Manual Public Domain eBooks
  - Samsung Sgh A437 User Manual eBook Subscription Services
  - Samsung Sgh A437 User Manual Budget-Friendly Options
6. Navigating Samsung Sgh A437 User Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Samsung Sgh A437 User Manual Compatibility with Devices
  - Samsung Sgh A437 User Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Samsung Sgh A437 User Manual
  - Highlighting and Note-Taking Samsung Sgh A437 User Manual
  - Interactive Elements Samsung Sgh A437 User Manual
8. Staying Engaged with Samsung Sgh A437 User Manual

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Samsung Sgh A437 User Manual
- 9. Balancing eBooks and Physical Books Samsung Sgh A437 User Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Samsung Sgh A437 User Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Samsung Sgh A437 User Manual
  - Setting Reading Goals Samsung Sgh A437 User Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Samsung Sgh A437 User Manual
  - Fact-Checking eBook Content of Samsung Sgh A437 User 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 Sgh A437 User Manual Introduction**

In the digital age, access to information has become easier than ever before. The ability to download Samsung Sgh A437 User Manual has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Samsung Sgh A437 User Manual has opened up a world of possibilities. Downloading Samsung Sgh A437 User Manual provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain

immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Samsung Sgh A437 User Manual has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Samsung Sgh A437 User Manual. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Samsung Sgh A437 User Manual. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Samsung Sgh A437 User Manual, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Samsung Sgh A437 User Manual has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

### **FAQs About Samsung Sgh A437 User Manual Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read

eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Samsung Sgh A437 User Manual is one of the best book in our library for free trial. We provide copy of Samsung Sgh A437 User Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Samsung Sgh A437 User Manual. Where to download Samsung Sgh A437 User Manual online for free? Are you looking for Samsung Sgh A437 User Manual PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Samsung Sgh A437 User Manual :**

notebook paper heading

notifier nfs 320c programming manual

**note taking guide episode 303 answer**

noun open courseware office managrment

**november 2013 advanced level geography paper 2**

note taking guide template

nov 2014 electro technics n5 qp

nosram international manual

**nouvelles cartes de la psychanalyse les**

notes on anna

**noublie pas de respirer**

**north west university application form 2015 for pgce**

*note taking guide united states history*

northern eurasia map test answer

**nourished by the word reading the bible contemplatively paperback**

### **Samsung Sgh A437 User Manual :**

*without fail jackreacher com - Jun 04 2023*

web the affair jack reacher 16 without fail jack reacher 6 is the sixth book in the jack reacher series by lee child



*without fail wikipedia* - Oct 08 2023

web without fail is the sixth book in the jack reacher series written by lee child it was published by putnam in 2002 it is written in the third person in the novel retired military police officer jack reacher is asked by the secret service to help track down assassins who are threatening the vice president elect plot

without fail jack reacher 6 paperback 1 april 2014 - Jun 23 2022

web review lee child writes edgy american thrillers to rival the likes of thomas harris and john grisham daily mirror sixth in seriously good series featuring jack reacher exciting absorbing and intriguing with hero big and bold enough to handle the percussive action literary review

*without fail jack reacher 6 mitpressbookstore* - Nov 28 2022

web feb 26 2008 jack reacher takes aim at the white house in the sixth novel in lee child s 1 new york times bestselling series don t miss reacher on prime video skilled cautious and anonymous jack reacher is perfect for the job to assassinate the vice president of the united states

**without fail jack reacher book 6 amazon com** - Apr 21 2022

web a group of desperate men already has the vice president in its sights and it will stop at nothing to realize its objective the assassins have planned well but they never planned on jack reacher see jack reacher now in his first major motion picture read more 2015 lee child p 2015 random house audio listening length 16 hours and 35 minutes

**without fail jack reacher 6 google play** - Apr 02 2023

web without fail jack reacher 6 lee child sep 2008 jack reacher book 6 random house 3 8 star 33 reviews ebook 576 pages about this ebook arrow forward lee child s protagonist jack

**without fail jack reacher 6 by lee child goodreads** - Aug 06 2023

web may 13 2002 without fail lee child dick hill narrator 4 16 102 870 ratings3 160 reviews skilled cautious and anonymous jack reacher is perfect for the job to assassinate the vice president of the united states theoretically of course

*without fail jack reacher book 6 by lee child booktopia* - Mar 21 2022

web apr 1 2014 booktopia has without fail jack reacher book 6 by lee child buy a discounted paperback of without fail online from australia s leading online bookstore

**without fail jack reacher 6 paperback 6 jan 2011** - Oct 28 2022

web lee child writes edgy american thrillers to rival the likes of thomas harris and john grisham daily mirror sixth in seriously good series featuring jack reacher exciting absorbing and intriguing with hero big and bold enough to handle the percussive action literary review

*without fail jack reacher book 6 kindle edition amazon com* - Sep 07 2023

web feb 26 2008 woot without fail jack reacher book 6 kindle edition by child lee download it once and read it on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading without fail *without fail jack reacher series 6 barnes noble* - Mar 01 2023

web apr 2 2013 overview jack reacher takes aim at the white house in the sixth novel in lee child s 1 new york times bestselling series don t miss reacher on prime video skilled cautious and anonymous jack reacher is perfect for the job to assassinate the vice president of the united states theoretically of course

**without fail jackreacher com** - May 03 2023

web without fail jack reacher 6 3 159 goodreads reviews listen read a sample jack reacher walks alone no job no id no last known address but he never turns down a plea for help now a woman tracks him down she s a woman serving at the very heart of us power and she needs reacher s assistance her job

*without fail jack reacher book 6 ebook amazon in* - Sep 26 2022

web lee child s protagonist jack reacher is a hero in the dirty harry style a man who lives by his own principles produces a surprising twist when it s least expected sunday telegraph jack reacher walks alone no job no id no last known address but he never turns down a plea for help now a woman tracks him down

without fail jack reacher 6 child lee amazon in books - Dec 30 2022

web lee child writes edgy american thrillers to rival the likes of thomas harris and john grisham daily mirror sixth in seriously good series featuring jack reacher exciting absorbing and intriguing with hero big and bold enough to handle the percussive action literary review for most fans of lee child the greatest draw is his military

**without fail jack reacher 6 by lee child 2003 04 01** - Aug 26 2022

web without fail jack reacher 6 by lee child 2003 04 01 amazon com tr kitap ana içeriğe atla com tr merhaba teslimat adresini seçin kitaplar arama yapmak istediğiniz kategoriye seçin ara amazon com tr merhaba giriş yapın hesap ve listeler *without fail jack reacher book 6 audible audiobook* - Feb 17 2022

web without fail jack reacher book 6 audible audiobook unabridged lee child author jeff harding narrator penguin audio publisher 4 5 out of 5 stars 16 354 ratings see all formats and editions 6 jack reacher can knock anyone unconscious and very often dead with one punch i can remember only a couple times when it took two

*without fail on apple books* - Jan 31 2023

web may 13 2002 without fail a jack reacher novel lee child 4 3 3 2k ratings 9 99 publisher description jack reacher takes aim at the white house in the sixth novel in lee child s 1 new york times bestselling series don t miss reacher on prime video *without fail jack reacher book 6 amazon com au* - May 23 2022

web without fail jack reacher book 6 audio download lee child jeff harding penguin audio amazon com au audible books

originals

**without fail jack reacher 6 lee child google books** - Jul 25 2022

web sep 4 2008 lee child s protagonist jack reacher is a hero in the dirty harry style a man who lives by his own principles produces a surprising twist when it s least expected sunday telegraph

**without fail jack reacher 6 amazon com tr** - Jul 05 2023

web arama yapmak istediğiniz kategoriye seçin

**il tesoro di leonardo by massimo polidoro barnes noble** - Dec 30 2022

web massimo polidoro vede le prime copie del suo libro il tesoro di leonardo il battello a vapore con le amiche della casa editrice

**il tesoro di leonardo recensione e trama del libro** - Jun 04 2023

web il tesoro nascosto ovvero pregi ed eccellenze della s messa con un modo pratico e divoto per ascoltarla con frutto operetta di san leonardo dal porto maurizio

*il tesoro di leonardo leggendoleggendo* - Nov 28 2022

web oct 9 2014 si intitola il tesoro di leonardo ed è il mio nuovo romanzo per ragazzi edito da il battello a vapore si tratta di un giallo e sarà in tutte le librerie a partire dal 21

**il tesoro di leonardo genially** - Oct 16 2021

*il tesoro di leonardo genially* - May 23 2022

web oct 9 2022 il tesoro di leonardo sottotitolo mappa di negri cecilia milano castello sforzesco via dante via torino via vigevano viale d annunzio via san marco piazza san

**il tesoro di leonardo battello a vapore** - Apr 02 2023

web leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole ritrovare il tesoro che leonardo da vincenzo nascose nel

il tesoro di leonardo in arrivo il 21 ottobre il mio nuovo romanzo - Sep 26 2022

web dec 13 2014 ma veniamo al romanzo senza svelare troppo eh i protagonisti sono due adolescenti leo e cecilia accomunati dal genio toscano leo abbreviativo per

*il tesoro di leonardo genially* - Mar 21 2022

web jul 20 2023 il tesoro massimo polidoro presentazione di greta peluffo presentazione personaggi leo è un ragazzino inglese che viene a milano per le

**il tesoro di leonardo massimo polidoro libri vagabondi** - Jun 23 2022

web oct 8 2022 achille 2eil tesoro di leonardo stazione di porta genova piazzale cordusio pinacoteca di brera ripa di porta ticinese conca di viarenna piazza santa maria delle

**amazon it il tesoro di leonardo** - May 03 2023

web il tesoro di leonardo leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole ritrovare il tesoro che leonardo da

**il tesoro di leonardo genially** - Jan 19 2022

web 2 days ago il vescovo s e rev ma mons giuseppe marciante consegnerà la chiesa alla ditta edima saranno lavori di risanamento restauro e manutenzione costo dei lavori

**il tesoro di leonardo by massimo polidoro goodreads** - Aug 06 2023

web massimo polidoro 3 95 37 ratings4 reviews leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole ritrovare il

**il tesoro di leonardo massimo polidoro immagini letture sapori** - Jul 25 2022

web oct 11 2022 il tesoro di leonardo descrizione dei due protagonisti nella storia del libro la storia di leonardo ci sono due protagonisti uno di questi è leonardo un

*amazon it recensioni clienti il tesoro di leonardo* - Aug 26 2022

web jul 16 2016 il tesoro di leonardo massimo polidoro leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole

**al via il restauro della chiesa san leonardo badiola di cefalù** - Nov 16 2021

web oct 7 2022 il tesoro di leonardo

**amazon it il tesoro di leonardo polidoro massimo libri** - Sep 07 2023

web lei vuole ritrovare il tesoro che leonardo da vinci nascose nel 1499 prima di fuggire dalla città leo invece non può sopportare il grande genio italiano perché gli ricorda troppo il

*il tesoro di leonardo polidoro massimo ebook libreria ibs* - Jan 31 2023

web il tesoro di leonardo un giallo avvincente sulle tracce del genio di leonardo da vinci leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello

**il tesoro di leonardo massimo polidoro libro libreria ibs** - Oct 08 2023

web un esaltante avventura per le strade di milano sulle tracce del genio di leonardo leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco

**digital basic presentation genially** - Sep 14 2021

**leo e tig s2e23 un piccolo imbrogliatore in diretta su** - Dec 18 2021

web oct 7 2022 il tesoro di leonardo gaia sangiacomi created on october 7 2022 report content

**il tesoro di leonardo le prime copie youtube** - Oct 28 2022

web consultare utili recensioni cliente e valutazioni per il tesoro di leonardo su amazon it consultare recensioni obiettive e imparziali sui prodotti fornite dagli utenti

*scaricare pdf il tesoro di leonardo massimo polidoro gratis* - Feb 17 2022

web leo e tig s2e23 un piccolo imbrogliatore in diretta su rai yoyo venerdì 10 novembre alle 01 05 mentre cercano delle foglie con cui riparare l'ala della nave leo tig kuba e

il tesoro di leonardo massimo polidoro mondadori - Mar 01 2023

web dec 9 2014 leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole ritrovare il tesoro che leonardo da vinci

achille il tesoro di leonardo genialy - Apr 21 2022

web lei vuole ritrovare il tesoro che leonardo da vinci nascose nel 1499 prima di fuggire dalla città leo invece non può sopportare il grande genio italiano perché gli ricorda troppo il

**il tesoro di leonardo massimo polidoro libro libreria** - Jul 05 2023

web descrizione leo e cecilia non si sono mai visti prima quando si incontrano un giorno al castello sforzesco di milano lei vuole ritrovare il tesoro che leonardo da vinci

*math test for second grade end of term test* - May 18 2023

web this end of the year focus test was designed to help teachers see the progress of their students at the end of 2nd grade it could also be given at the beginning of 3rd grade to

*beginning and end of the year math pre post tests* - Sep 22 2023

web second grade assessments end of the year mid march to early june evaluate how much students have learned during the school year with these assessment worksheets

results for end of 2nd grade test tpt - Jan 14 2023

web this is a cumulative math assessment based on the 2nd grade go math curriculum there are at least one or two questions per chapter subject in the curriculum and each

**results for 2nd grade reading end of the year test tpt** - Aug 09 2022

web oct 7 2021 singapore year end examinations for primary 3 and 4 students will be cancelled to allow more time for curriculum recovery due to disruptions from covid 19

**gcse and a level exams 2022 what you need to know bbc** - Dec 01 2021

**end of year math assessment grade 2 learn bright** - Jul 20 2023

web math test for second 2nd grade this is an end of term test for children ending grade 2 it could also serve as a placement test for third 3rd graders it contains exercises on

grade 2 end of the year test math mammoth - Jun 19 2023

web our new grade 2 end of year test caters to mental strategies to evaluate our learners understanding of place value addition and subtraction within 20 they can also

**quiz and swap 2nd grade end of year review** - Feb 15 2023

web 2nd grade end of the year test displaying top 8 worksheets found for 2nd grade end of the year test some of the worksheets for this concept are grade 2 end of the year

**results for 2nd grade end of the year test ela tpt** - Apr 05 2022

web mar 7 2022 over the last few years the ministry of education moe has removed mid year examinations for primary 3 primary 5 secondary 1 and secondary 3 students

**year end exams for p3 and p4 pupils cancelled the new paper** - Feb 03 2022

web secondary test papers in year 2022 show testpapers from choose level choose subject choose type choose school sponsored links title sec 4 2022 additional

2nd grade go math end of year test by multi age mountain - Oct 11 2022

web worksheets are end of second grade assessment cumulative reading grade 2 end of the year test assessment for the california mathematics standards grade 2 grade 2

**grade 2 assessments grade level reading tests** - Sep 10 2022

web end of year test grade2 free download as pdf file pdf text file txt or read online for free mathematics year 2 end exam *end of 2nd grade test worksheets k12 workbook* - Jul 08 2022

web the 2nd grade ela topics include nouns pronouns irregular verbs adjectives adverbs and many more which are perfect for review and end of the year activity in centers

**2nd grade end of year testing teaching resources tpt** - Mar 16 2023

web nov 16 2023 the registration for 2023 singapore cambridge gce n t and n a level year end examinations will commence from wednesday 29 march 2023 to tuesday 11

national examinations dates moe - Dec 13 2022

web end of year grade 2 fluencies this assessment may be useful in determining a student is reading at the proficient level at the end of grade 2 gr 2 eoy teacher booklet rl pdf

**end of the year test grade 2 answer key math mammoth** - Mar 04 2022

web may 12 2022 exam boards will look at 2019 the last year exams were sat as normal and teachers assessments of grade levels in 2021 and take a mid point between the two

**secondary school test papers singapore in year 2022** - Oct 31 2021

**grade 2 end of the year test math mammoth** - Oct 23 2023

web jul 2 2021 this free resource includes a beginning of the year math pre test along with a matching end of the year post test to track student s growth graphs are included for

**year end exams cancelled for primary 3 and 4 students moe** - May 06 2022

web oct 8 2021 ang qing singapore news year end examinations for primary 3 and primary 4 pupils will be cancelled in an unprecedented move by the ministry of

*2nd grade end of the year test worksheets learny kids* - Nov 12 2022

web 2nd grade end of year reading test aligned to wonders created by kmwhyte s kreations if you re looking for an end of the year assessment for reading and language

*no more mid year exams for s pore primary secondary levels* - Jan 02 2022

**second grade assessments end of the year mid march to early** - Aug 21 2023

web grade 2 end of the year test instructions to the teacher my suggestion for grading is below the total is 134 points a score of 107 points is 80 math mammoth end of year

*2nd grade end of year test booklet common core aligned* - Apr 17 2023

web results for end of 2nd grade test 9 100 results sort by relevance view list 2nd grade end of the year math focus test benchmark new teks created by top of texas

end of year test grade2 pdf scribd - Jun 07 2022

web end of the year test grade 2 answer key international version canada 1 a 13 18 11 15 b 11 13 12 12 c 16 12 11 12 d 14 14 14 17 2 a 9 8 7 4 b 8 4 8 8 c 9 8 9 9