

Plasma TV

Chassis F90A

Model Code

PN59D8000FFXZA

PN59D8000FFXZC



SERVICE

Plasma TV



PN59D8000FF

Samsung Hps5073x Xaa Plasma Tv Service Manual

J Spring

Samsung Hps5073x Xaa Plasma Tv Service Manual:

Decoding Samsung Hps5073x Xaa Plasma Tv Service Manual: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "Samsung Hps5073x Xaa Plasma Tv Service Manual," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

https://crm.avenza.com/files/virtual-library/fetch.php/Refrigerant Pressure Chart.pdf

Table of Contents Samsung Hps5073x Xaa Plasma Tv Service Manual

- 1. Understanding the eBook Samsung Hps5073x Xaa Plasma Tv Service Manual
 - o The Rise of Digital Reading Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Samsung Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service Manual
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Personalized Recommendations
 - Samsung Hps5073x Xaa Plasma Tv Service Manual User Reviews and Ratings

- Samsung Hps5073x Xaa Plasma Tv Service Manual and Bestseller Lists
- 5. Accessing Samsung Hps5073x Xaa Plasma Tv Service Manual Free and Paid eBooks
 - Samsung Hps5073x Xaa Plasma Tv Service Manual Public Domain eBooks
 - Samsung Hps5073x Xaa Plasma Tv Service Manual eBook Subscription Services
 - Samsung Hps5073x Xaa Plasma Tv Service Manual Budget-Friendly Options
- 6. Navigating Samsung Hps5073x Xaa Plasma Tv Service Manual eBook Formats
 - o ePub, PDF, MOBI, and More
 - Samsung Hps5073x Xaa Plasma Tv Service Manual Compatibility with Devices
 - Samsung Hps5073x Xaa Plasma Tv Service Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Highlighting and Note-Taking Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Interactive Elements Samsung Hps5073x Xaa Plasma Tv Service Manual
- 8. Staying Engaged with Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - o Following Authors and Publishers Samsung Hps5073x Xaa Plasma Tv Service Manual
- 9. Balancing eBooks and Physical Books Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Samsung Hps5073x Xaa Plasma Tv Service Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Setting Reading Goals Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Samsung Hps5073x Xaa Plasma Tv Service Manual
 - Fact-Checking eBook Content of Samsung Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service Manual Introduction

In the digital age, access to information has become easier than ever before. The ability to download Samsung Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service Manual has opened up a world of possibilities. Downloading Samsung Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service Manual Books

- 1. Where can I buy Samsung Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service 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 Hps5073x Xaa Plasma Tv Service Manual books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Samsung Hps5073x Xaa Plasma Tv Service Manual:

refrigerant pressure chart referee report cover letter

reinforcement chapter 24 nuclear reactions

 ${\color{regulation} \textbf{regulation emotionnelle transcend mediocrity}}~t$

regents chemistry review packet 2015

regents physics waves and electromagnetic spectrum worksheet

rejoinsmoi agrave vegas suivi de indeacutecente mrs robinson redox multiple choice questions and answers

reflective paper example

relapse prevention group manual

regents high school examination geometry

regensburg und uumlberall satirische kurzgeschichten german edition

register at candle light nursing training

reinforced concrete a fundamental approach solution manual

reflections for a staff meeting

Samsung Hps5073x Xaa Plasma Tv Service Manual:

l angelo ribelle le brume delle highlands volume i overdrive - Aug 21 2022

web you are in page mode l angelo ribelle le brume delle highlands volume i alexandra j forrest

l angelo ribelle le brume delle highlands volume i by - Oct 23 2022

web inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia per trascorrervi le vacanze e rivedere la

l angelo ribelle le brume delle highlands vol i goodreads - Jun 30 2023

web oct 4 2021 l angelo ribelle le brume delle highlands vol i book read reviews from world s largest community for readers prenotabile al prezzo di lanc

l angelo ribelle le brume delle highlands vol i ebook - Jul 20 2022

web l'angelo ribelle le brume delle highlands vol i inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo

l angelo ribelle le brume delle highlands vol i - Feb 12 2022

web descargar libro l'angelo ribelle le brume delle highlands vol i ebook del autor en pdf al mejor precio en casa del libro méxico

l angelo ribelle le brume delle highlands vol i italian edition - Sep 21 2022

web achetez et téléchargez ebook l angelo ribelle le brume delle highlands vol i italian edition boutique kindle littérature sentimentale amazon fr

l angelo ribelle le brume delle highlands vol i apple books - Mar 28 2023

web sep 20 2017 inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia per trascorrervi le vacanze e

l angelo ribelle le brume delle highlands vol i ebook - Dec 25 2022

web l'angelo ribelle le brume delle highlands vol i ebook alexandra i forrest amazon it libri

l angelo ribelle le brume delle highlands volume i overdrive - Jan 26 2023

web oct 5 2017 inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia per trascorrervi le vacanze e

l angelo ribelle le brume delle highlands vol i fnac - Feb 24 2023

web l'angelo ribelle le brume delle highlands vol i alexandra j forrest alexandra j forrest des milliers de livres avec la livraison chez vous en 1 jour ou en magasin avec

l angelo ribelle le brume delle highlands vol i italian edition - Mar 16 2022

web amazon com l'angelo ribelle le brume delle highlands vol i italian edition ebook alexandra j forrest tienda kindle l'angelo ribelle le brume delle highlands vol i - Oct 03 2023

web 2 99 leggilo con la nostra app gratuita inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia

l angelo ribelle le brume delle highlands vol i kobo com - Apr 28 2023

web read l'angelo ribelle le brume delle highlands vol i by alexandra j forrest available from rakuten kobo inghilterra metà del xix sec shannon mcleod dopo la

l angelo ribelle le brume delle highlands vol i italian edition - May 18 2022

web l angelo ribelle le brume delle highlands vol i italian edition ebook alexandra j forrest amazon de kindle shop **angelo ribelle wikipedia** - Apr 16 2022

web angelo ribelle è una suite per orchestra d'archi o quintetto di fiati o orchestra composta di cinque movimenti del compositore e pianista giovanni allevi È stata composta

l angelo ribelle le brume delle highlands vol i kobo com - Sep 02 2023

web rakuten kobo dan alexandra j forrest tarafından l angelo ribelle le brume delle highlands vol i kitabını okuyun inghilterra metà del xix sec shannon mcleod

le brume delle highlands l'angelo ribelle vol 1 - Nov 23 2022

web le brume delle highlands l'angelo ribelle vol 1 è un ebook di forrest alexandra j pubblicato da streetlib a 2 99 il file è in formato epub2 con adobe drm risparmia

<u>l angelo ribelle le brume delle highlands vol i mondadori store</u> - May 30 2023

web shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia per trascorrervi le vacanze e rivedere la famiglia del lato paterno ancora

l angelo ribelle le brume delle highlands vol i apple books - Aug 01 2023

web sep 20 2017 inghilterra metà del xix sec shannon mcleod dopo la stagione mondana londinese e un lungo periodo di lontananza torna in scozia per trascorrervi le vacanze e

amazon co jp l angelo ribelle le brume delle highlands vol i - Jun 18 2022

web sep 20 2017 amazon co jp l angelo ribelle le brume delle highlands vol i italian edition ebook alexandra j forrest kindle store

aditya birla group careers - May 31 2022

web people at abg job opportunities leadership programs current aditya birla group leadership programs abglp global manufacturing leadership program gmlp

clinical competency form for abg puncture vented syringe - Apr 29 2022

web this document is a clinical competency statement the participant must operate proficiency without assistance and or

direct supervision regarding the pulsettm arterial

adbg nedir ve ne zaman çekilir doktorca - Jan 27 2022

web nov 30 2020 adbg ayakta direk batın grafisi düz karın grafisi dik durarak ayakta çekilen karın grafisidir acil durumlarda çekilir Örneğin böbrek sancısı renal kolik

gmlp global manufacturing leadership program - Apr 10 2023

web abg competency framework comprises behavioral and functional competencies these serve as the common yardstick for identifying your strengths and the areas for

aditya birla group careers - May 11 2023

web abg competency framework comprises behavioral and functional competencies these serve as the common yardstick for identifying your strengths and the areas for

effect of the specific training course for competency in doing - Mar 09 2023

web skill scores in different practices for abg sampling competency the maximum gained score of competency in the 1st to 7th practices was respectively 40 54 64 77 89 99

employee value proposition aditya birla group - Jul 13 2023

web understand abg competencies and the talent management framework the intuitive performance management system powers your performance and inputs from externally

learning development programs for employees at abc - Aug 02 2022

web abg competency framework consisting of behavioural and functional competencies this framework serves as a uniform yardstick for employees across the organization to

blood gas certification american association for respiratory care - Sep 03 2022

web hospital operations the abg laboratory is a prime example of this in larger hospitals abg analysis may be performed by a department wholly dedicated to just abgs even if the

abg kısaltması ne demek açılımı anlamı nedir - Nov 24 2021

web abg türkçe İngilizce ve almancada ne demek abg anlamı nedir abg açılımı kısaltmalar sözlüğünde what does abg stand for arterial blood gas

clinical perspectives core competency analysis a - Dec 06 2022

web core competency rterial blood gases abgs are a core competency for respiratory therapists the aarc and the national committee for clinical labora tory standards

abg competencies mgholding - Mar 29 2022

web psychological reassurance continuous monitoring of oxygen saturation continuous ecg monitoring and record patient s

blood pressure every 15 minutes for first hour

blood gas analysis under clia aarc - Aug 14 2023

web clia regulations governing blood gas analysis in both moderate and high complexity labs are very specific as to the qualifications of those performing the tests and signing off on competencies cms revised surveyor guidelines at the beginning of 2015 to require

cabg nedir cabg ne demek nedir com - Dec 26 2021

web cabg coronary artery bypass grafting kelimelerinden oluşan kısaltmadır türkçe koroner arter bypass cerrahisi anlamına gelmektedir bypass ameliyatının amacı kalbe normal

aditya birla group talent management - Jul 01 2022

web mar 13 2014 prioritize competency to be developed talent reviews agenda conclusion identify strong weak competencies implement plan and monitor periodically

essential critical care skills 6 arterial blood gas analysis emap - Jun 12 2023

web arterial blood gases abgs are taken from arteries and give a real time indication of the patient's oxygenation ventilation acid base balance and metabolic status an abg can

the aditya birla group career competency model - Feb 08 2023

web the aditya birla group career competency model satisfactory essays 1004 words 4 pages open document the talent management initiative was formally launched in the

arterial blood gas sampling queen elizabeth hospital birmingham - Oct 04 2022

web topics abg sampling training covers the following topics maintaining asepsis using antt indications and contraindications of abg sampling assessing artery suitability and

an arterial blood gas interpretation test quiz proprofs quiz - Feb 25 2022

web aug 23 2023 $\,$ 1 the normal value for the ph is a 7 53 b 7 48 c 7 40 d 7 30 correct answer c 7 40 explanation the normal value for the ph is 7 40 ph is a measure of the

blood gas analysis and the respiratory therapist - Nov 05 2022

web only certain qualified individuals may perform the competency assessments of testing personnel in order to assess competencies a respiratory therapist must be acting in

pdf effect of the specific training course for competency in - Jan 07 2023

web since abg is invasive and done in critically ill patients it is an important learning issue in nurse training and newly registered nurses must be competent in abg sampling during

effect of the specific training course for competency in hindawi - Oct 24 2021

web the objectives of the study were to develop a standardized learning curve of arterial blood gas abg sampling competency to design a checklist for the assessment of

thermal decomposition of nitrates carbonates 2 2 3 cie a - Feb 16 2022

web author francesca fran studied for a bsc in chemistry with forensic science and since graduating taught a level chemistry in the uk for over 11 years she studied for an mba in senior leadership and has held a number of roles during her time in education including head of chemistry head of science and most recently as an assistant headteacher

cambridge igcse chemistry cambridge igcse chemistry - Apr 01 2023

web cambridge igcse chemistry revision guide offers students support as they prepare for their cambridge igcse chemistry 0620 exams containing up to date material that matches the syllabus for examination from 2016 and packed full of guidance such as worked examples tips and progress check questions throughout to help students to

cambridge igcse chemistry 0620 - Jul 24 2022

web sign up for updates about changes to the syllabuses you teach the cambridge igcse chemistry syllabus enables learners to understand the technological world in which they live and take an informed interest in science and scientific developments cie igcse chemistry 0620 revision notes summary sheets igcse - Feb 28 2023

web cie igcse chemistry 0620 revision notes summary sheets everything you need to know in one place our revision notes and summary sheets have everything you need to know for your exams without the extra fluff it helps students to revise the entire igcse chemistry syllabus in only a week and score an a

cie igcse chemistry revision notes study mind - Jun 03 2023

web using our cie igcse chemistry revision notes will make this revision process a little easier for you where can i find other igcse chemistry revision resources as well as the official resources there are a whole host of others out there cie igcse chemistry 0620 revision notes znotes - Sep 06 2023

web free high quality revision notes for cie igcse chemistry 0620 covering all the modules and updated to the latest syllabus specifications

igcse chemistry revision notes 2023 to 2025 exams igcse chemistry notes - Oct 27 2022

web the following are the video links for the igcse chemistry revision notes for the latest syllabus for the exams for the years 2023 2024 2025 these notes are updated as per the revised syllabus they have all concepts and definitions accepted by the cambridge and adhere to the mark schemes

cie igcse chemistry revision notes 2023 save my exams - Sep 25 2022

web experimental techniques chemical analysis 12 1 experimental techniques 12 2 separation purification 12 3 identification of ions gases free chemistry revision notes on kinetic theory designed by the teachers at save my exams for the cie igcse

chemistry 0620 0971 syllabus

revision note chemistry ig exams - May 02 2023

web concise revision notes for the cie igcse chemistry course designed for the 0620 0971 syllabus we offers books past papers tuition and notes and books to help you understand the lessons complete exercises and get high rates in studying to obtain the igcse

caie igcse chemistry 0620 revision notes znotes - Jun 22 2022

web best free resources for caie igcse chemistry 0620 including summarized notes topical and past paper walk through videos by top students

caie igcse chemistry 0620 0971 revision pmt physics - Jul 04 2023

web papers 1 4 topic 1 the particulate nature of matter topic 2 experimental techniques topic 3 atoms elements and compounds topic 4 stoichiometry topic 5 electricity and chemistry topic 6 chemical energetics topic 7 chemical reactions topic 8 acids bases and salts topic 9 the periodic table topic 10 metals topic 11 air and water

znotes for students by students znotes - May 22 2022

web free notes videos and flashcards used by over 4 million students for igcse a levels ib and many more written by top students

syllabus cambridge igcse chemistry 0620 - Mar 20 2022

web cambridge igcse chemistry 0620 syllabus for 2023 2024 and 2025 back to contents page cambridge international org igcse 5 2 syllabus overview aims the aims describe the purposes of a course based on this syllabus you can deliver some of the aims using suitable local international or historical examples and applications or

 $\underline{\text{chemistry revision pmt physics maths tutor}} \text{ - Nov 27 2022}$

web past papers summary notes and past exam questions by topic for aqa cie edexcel ocr and wjec chemistry a levels international a levels gcses and igcses

electrolysis principles 4 1 1 cie igcse chemistry revision notes - Jan 30 2023

web electrolysis general principles when an electric current is passed through a molten ionic compound the compound decomposes or breaks down the process also occurs for aqueous solutions of ionic compounds covalent compounds cannot conduct electricity hence they do not undergo electrolysis

igcse chemistry past papers cie notes - Aug 25 2022

web the cambridge igcse chemistry syllabus enables learners to understand the technological world in which they live and take an informed interest in science and scientific developments learners gain an understanding of the basic principles of chemistry through a mix of theoretical and practical studies

igcse chemistry revision notes 2023 to 2025 exams igcse chemistry - Apr 20 2022

web igcse alchemy revision notes igcse chemistry past papers questions and answers pdf igcse basic notes by cambridge specialist teachers as per the igcse chemistry syllabus they are ideal for your igcse chemistry revision and should be used along side your igcse chemistry handbook

electrolysis cie igcse chemistry revision notes 2023 - Dec 29 2022

web our full set of revision notes give you all the specifics that you need to know broken down and tailored to your specification so you can master what matters for your exams what is electrolysis electrolysis is a chemical process which splits an ionic compound into its ion using electricity

cie igcse chemistry revision notes 2023 save my exams - Oct 07 2023

web concise resources for the cie igcse chemistry course 1 states of matter 1 1 solids liquids gases 2 atoms elements compounds 2 1 atomic structure the periodic table 2 2 ions ionic bonds 2 3 simple molecules covalent bonds igcse cambridge chemistry revision notes ig exams - Aug 05 2023

web concise revision notes for the cie igcse chemistry course designed for the 0620 0971 syllabus 1 the particulate nature of matter 2016 chemistry revision note chemistry november 2016 paper 6 notes new paper 6 2 1 1 measurement 1 1 4 diffusion 1 1 3 heating curve 1 1 2 kinetic theory final revision paper 6 notes 2 1 1 measurement