

basic education

Department: Basic Education REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 10

MATHEMATICS P2

EXEMPLAR 2012

MEMORANDUM

MARKS: 100

This memorandum consists of 10 pages.

Mathematics Memorum Paper 2012 Grade 10

Xiang Xie

Mathematics Memorum Paper 2012 Grade 10:

This book delves into Mathematics Memorum Paper 2012 Grade 10. Mathematics Memorum Paper 2012 Grade 10 is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Mathematics Memorum Paper 2012 Grade 10, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Mathematics Memorum Paper 2012 Grade 10
 - Chapter 2: Essential Elements of Mathematics Memorum Paper 2012 Grade 10
 - Chapter 3: Mathematics Memorum Paper 2012 Grade 10 in Everyday Life
 - Chapter 4: Mathematics Memorum Paper 2012 Grade 10 in Specific Contexts
 - ∘ Chapter 5: Conclusion
- 2. In chapter 1, this book will provide an overview of Mathematics Memorum Paper 2012 Grade 10. This chapter will explore what Mathematics Memorum Paper 2012 Grade 10 is, why Mathematics Memorum Paper 2012 Grade 10 is vital, and how to effectively learn about Mathematics Memorum Paper 2012 Grade 10.
- 3. In chapter 2, the author will delve into the foundational concepts of Mathematics Memorum Paper 2012 Grade 10. The second chapter will elucidate the essential principles that must be understood to grasp Mathematics Memorum Paper 2012 Grade 10 in its entirety.
- 4. In chapter 3, this book will examine the practical applications of Mathematics Memorum Paper 2012 Grade 10 in daily life. This chapter will showcase real-world examples of how Mathematics Memorum Paper 2012 Grade 10 can be effectively utilized in everyday scenarios.
- 5. In chapter 4, the author will scrutinize the relevance of Mathematics Memorum Paper 2012 Grade 10 in specific contexts. The fourth chapter will explore how Mathematics Memorum Paper 2012 Grade 10 is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, this book will draw a conclusion about Mathematics Memorum Paper 2012 Grade 10. The final 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. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Mathematics Memorum Paper 2012 Grade 10.

Table of Contents Mathematics Memorum Paper 2012 Grade 10

- 1. Understanding the eBook Mathematics Memorum Paper 2012 Grade 10
 - The Rise of Digital Reading Mathematics Memorum Paper 2012 Grade 10
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Mathematics Memorum Paper 2012 Grade 10
 - 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 Mathematics Memorum Paper 2012 Grade 10
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Mathematics Memorum Paper 2012 Grade 10
 - Personalized Recommendations
 - Mathematics Memorum Paper 2012 Grade 10 User Reviews and Ratings
 - Mathematics Memorum Paper 2012 Grade 10 and Bestseller Lists
- 5. Accessing Mathematics Memorum Paper 2012 Grade 10 Free and Paid eBooks
 - Mathematics Memorum Paper 2012 Grade 10 Public Domain eBooks
 - Mathematics Memorum Paper 2012 Grade 10 eBook Subscription Services
 - Mathematics Memorum Paper 2012 Grade 10 Budget-Friendly Options
- 6. Navigating Mathematics Memorum Paper 2012 Grade 10 eBook Formats
 - ePub, PDF, MOBI, and More
 - Mathematics Memorum Paper 2012 Grade 10 Compatibility with Devices
 - Mathematics Memorum Paper 2012 Grade 10 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mathematics Memorum Paper 2012 Grade 10
 - Highlighting and Note-Taking Mathematics Memorum Paper 2012 Grade 10
 - Interactive Elements Mathematics Memorum Paper 2012 Grade 10

- 8. Staying Engaged with Mathematics Memorum Paper 2012 Grade 10
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mathematics Memorum Paper 2012 Grade 10
- 9. Balancing eBooks and Physical Books Mathematics Memorum Paper 2012 Grade 10
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mathematics Memorum Paper 2012 Grade 10
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Mathematics Memorum Paper 2012 Grade 10
 - Setting Reading Goals Mathematics Memorum Paper 2012 Grade 10
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Mathematics Memorum Paper 2012 Grade 10
 - Fact-Checking eBook Content of Mathematics Memorum Paper 2012 Grade 10
 - 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

Mathematics Memorum Paper 2012 Grade 10 Introduction

In the digital age, access to information has become easier than ever before. The ability to download Mathematics Memorum Paper 2012 Grade 10 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 Mathematics Memorum Paper 2012 Grade 10 has opened up a world of possibilities. Downloading Mathematics Memorum Paper 2012 Grade 10 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 Mathematics Memorum Paper 2012 Grade 10 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 Mathematics Memorum Paper 2012 Grade 10. 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 Mathematics Memorum Paper 2012 Grade 10. 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 Mathematics Memorum Paper 2012 Grade 10, 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 Mathematics Memorum Paper 2012 Grade 10 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 Mathematics Memorum Paper 2012 Grade 10 Books

What is a Mathematics Memorum Paper 2012 Grade 10 PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a Mathematics Memorum Paper 2012 Grade 10 PDF? There

are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have builtin PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Mathematics Memorum Paper 2012 Grade 10 PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Mathematics** Memorum Paper 2012 Grade 10 PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Mathematics Memorum Paper 2012 Grade 10 PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Mathematics Memorum Paper 2012 Grade 10:

mosfet h bridge circuit

motor cummins nt 855
motorola 2210 dsl modem problems
mossberg 1000 manual
motor trade company profile
mossberg 50safety guide
motor for 1985 suzuki 230

motorola admiral case with belt clip

motorhome dinghy towing guide

motor vehicle repair industry council five dock

mother asus p4s8x x manual

motor vehicle field representative study guide california

 $\underline{motorized\ mechanisms\ activity\ pack}$

motorola 325i cell phone manual

motorcycle headsets for harley davidson

Mathematics Memorum Paper 2012 Grade 10:

marine science 1st edition solutions and answers quizlet - May 11 2023

web marine science 9693 01 paper 1 as level theory for examination from 2022 specimen paper 1 hour 45 minutes you must answer on the question paper no

what do you know about marine biology amnh - Jul 01 2022

web answer all questions in this question and response book write using black or blue pen qcaa approved calculator permitted planning paper will not be marked section

marine science quiz questions and answers proprofs quiz - Jun 12 2023

web now with expert verified solutions from marine science 1st edition you ll learn how to solve your toughest homework problems our resource for marine science includes

external assessment 2022 marine science question and - Feb 25 2022

web marine science 9693 exam board cambridge assessment international education caie duration of course 2 years a level 1 year as level short answer questions

guiz 1 sample guestions marine biology and oceanography - Aug 02 2022

web mar 25 2014 we lurrrve talking to them and answering all their questions about how to become marine scientists oceanographers conservationists pirates and such

top 20 frequently asked questions of marine scientists - May 31 2022

web if you want to test your or your friends knowledge about marine science related question then this page will definitely help you our team have spent hours to researched

what is marine science with pictures - Nov 24 2021

marine science sample assessment 2020 paper 1 multiple - Jan 07 2023

web discover flashcards test exam answers and assignments to help you learn more about marine science and other subjects don't miss the chance to use them for more

cambridge international as a level marine science - Dec 06 2022

web material type exam professor ries class the marine environment subject marine science university university of north carolina chapel hill term spring 2011 75

101 questions with answers in marine sciences - Aug 14 2023

web jun 23 2023 explore the latest questions and answers in marine sciences and find marine sciences experts 30 marine science quiz questions and answers - Jul 13 2023

web aug 4 2023 part 1 30 marine science quiz questions answers part 2 download marine science questions answers for free part 3 free online quiz creator

75 multiple choice questions on the marine environment docsity - Oct 04 2022

web may 9 2016 material type quiz professor burkepile class marine biol oceanog subject biological oceanography university florida international university term

exam questions marine science flashcards and study sets quizlet - Sep 03 2022

web 1 why do most scientists think that life started in the oceans more animals live in water than on land the oldest fossils ever found show this scientists like to scuba dive

marine science cie notes - Jan 27 2022

web sep 11 2023 last modified date august 02 2023 marine science commonly is called oceanography as these names may reveal this branch of science deals with study of

external assessment 2021 marine science question and - Apr 29 2022

web answer all questions in this question and response book qcaa approved calculator permitted planning paper will not be marked section 1 20 marks 20 multiple choice

cambridge international as a level - Mar 09 2023

web paper 1 section 1 instructions answer all questions in the question and response book this book will not be marked question 1 the map shows maritime boundaries in

770 questions with answers in marine biology - Feb 08 2023

web cambridge international as and a level marine science provides a coherent and stimulating introduction to the science of the marine environment the as part of the

marine science lady elizabeth school - Dec 26 2021

web cambridge international as a level marine science coursebook second edition endorsed by cambridge description supports the full syllabus for examination from

marine science flashcards test questions and answers - Nov 05 2022

web learn exam questions marine science with free interactive flashcards choose from 2 595 different sets of exam questions marine science flashcards on quizlet

cambridge international as a level marine science 9693 - Oct 24 2021

time for 10 ocean trivia questions ocean conservancy - Apr 10 2023

web aug 22 2023 explore the latest questions and answers in marine biology and find marine biology experts

top marine science trivia questions and answers - Mar 29 2022

web candidates answered short answer factually based questions such as 3 b ii 4 a ii 4 a iii 6 a and 7 a well answers requiring analysis and descriptions of interlinked

diamond drilling handbook january 31 1992 edition open - Feb 09 2023

web jan 31 1992 diamond drilling handbook by w f heinz january 31 1992 routledge edition hardcover in english 1 edition diamond drilling handbook by w f heinz goodreads - Jan 08 2023

web diamond drilling handbook by w f heinz goodreads jump to ratings and reviews want to read buy on amazon rate this book diamond drilling handbook w f heinz

wf heinz open library - Feb 26 2022

web diamond drilling handbook by w f heinz first published in 1989 1 edition in 1 language not in library subjects boring diamond bits rock drills lists add to list create a new list close name

diamond drilling handbook by heinz w f abebooks - Jul 02 2022

web diamond drilling handbook by heinz w f 1 results you searched for author heinz w f title diamond drilling handbook edit your search list grid sort by search preferences skip to main search results product type all product types books 1 magazines periodicals comics sheet music art prints posters photographs maps

diamond drilling handbook heinz w f 9780620177023 - May 12 2023

web it is widely used by field geologists and drillers in africa primarily is highly readable and practical this is a second edition supposed to be an improvement over the first everything you d need to know about diamond bits overall a great hands on reference for drilling

diamond drilling handbook by w f heinz goodreads - Oct 05 2022

web a reference for all those involved in the diamond drilling industry from the field geologists to the driller on the rig and

the chargehand in the workshop it covers basic geology wireline drilling fluids fishing operations hydraulics pumps derricks and more hardcover first published january 31 1992 book details editions

diamond drilling handbook enduring legacy part 3 linkedin - Mar 30 2022

web nov 30 2017 another valuable source of information was the diamond drilling handbook by w f heinz atlas copco gratefully acknowledges the important work done by heinz exploration by using

diamond drilling handbook heinz w f 9780620177023 - Apr 11 2023

web about this edition a reference for all those involved in the diamond drilling industry from the field geologists to the driller on the rig and the chargehand in the workshop it covers basic geology wireline drilling drilling fluids fishing operations hydraulics pumps derricks and more

diamond drilling handbook w f heinz google books - Aug 15 2023

web jan 31 1992 diamond drilling handbook w f heinz taylor francis jan 31 1992 technology engineering 538 pages a reference for all those involved in the diamond drilling industry from the

diamond drilling handbook w f heinz 9780620085731 - Jun 01 2022

web abebooks com diamond drilling handbook 9780620085731 by w f heinz and a great selection of similar new used and collectible books available now at great prices

diamond drilling handbook 1989 edition open library diamond - Jan 28 2022

web diamond drills handbook by w f heinz unknown edition diamond drilling handbook 1989 edition open library diamond drilling handbook enduring legacy part 1 it looks like you re offline

diamond drilling handbook by w f heinz open library - Jun 13 2023

web nov 1 2022 availability 1 diamond drilling handbook 1989 heinz in english 2d ed 0620137851 9780620137850 aaaa not in library libraries near you worldcat

diamond drilling handbook w f heinz penn state university - Nov 06 2022

web diamond drilling handbook w f heinz author heinz w f published republic of south africa w f heinz 1989 edition 2nd ed diamond drilling handbook w f heinz google books - Jul 14 2023

web diamond drilling handbook author w f heinz publisher south african drilling assoc 1985 isbn 0620085738 9780620085731 length 517 pages export citation

diamond drilling handbook heinz w f amazon com au books - Aug 03 2022 web hardcover

wf heinz author of diamond drilling handbook goodreads - Apr 30 2022

web w f heinz is the author of diamond drilling handbook 4 50 avg rating 10 ratings 0 reviews diamond drilling handbook 0 0

avg rating 0 ratings 0 r

diamond drilling handbook angus robertson - Sep 04 2022

web jan 31 1992 a reference for all those involved in the diamond drilling industry from the field geologists to the driller on the rig and the chargehand in the workshop it covers basic geology wireline drilling drilling fluids fishing operations hydraulics pumps derricks and

diamond drilling handbook by heinz w f good - Dec 07 2022

web title diamond drilling handbook publisher w f heinz publication date 1989 binding

diamond drilling handbook heinz thebookee net - Dec 27 2021

web you can download pdf versions of the user s guide manuals and ebooks about diamond drilling handbook heinz you can also find and download for free a free online manual notices with beginner and intermediate downloads documentation you can download pdf files or doc and ppt about diamond drilling handbook heinz for free but

diamond drilling handbook book 1989 worldcat org - Mar 10 2023

web a reference for all those involved in the diamond drilling industry from the field geologists to the driller on the rig and the chargehand in the workshop it covers basic geology wireline drilling drilling fluids fishing operations and more as 4122 australian institute of architects - Jun 14 2023

web as 4122 project published 19 april 2017 edited 12 january 2023 read time 10 minutes this note covers the two most recent versions of the australian standard consultancy agreement as 4122 2010 and its predecessor as 4122 2000 contract templates sai global infostore - Mar 11 2023

web to find out more contact standards australian on 1800 035 822 or email copyright standards org au key contract templates as 2124 2125 2127 1992 resuable multi

4122 2010 interactive version 2 as 4122 incorporating - Nov 07 2022

web australian standard general conditions of contract for consultants as 4122 this australian standard was prepared by committee ll 001 general conditions of contract for consultants it was approved on behalf of the council of standards australia on 15 october 2010 this standard was published on 22 november 2010

australian standard sai global store - Dec 28 2021

web australian standardtm as 4122 2000 australian standardtm general conditions of contract for engagement of consultants this australian standard was prepared by committee ob 010 construction industry practice it was approved on behalf of the council of standards australia on 10 november 2000 and published on 19 december 2000

isn t it time to update the australian standards contracts - Mar 31 2022

web feb 23 2022 only as 4122 2010 contains a gst clause fully references each paragraph which makes cross referencing

less awkward especially with auto cross referencing in modern word processors e g standard detayı tse - Feb 27 2022

web İptal standard tÜrk standardi direktif 2006 42 ec ts no ts en iso 14122 1 kabul tarihi 10 03 2003 İptal tarihi 9 12 2016 hazırlık grubu makina İhtisas grubu doküman tipi yürürlük durumu h İptal edilmiş standard withdrawn standard başlık standards australia suite of contracts are you licensed - Aug 04 2022

web may 4 2017 this standard has less flexible licensing arrangements than other standards australia standard form contracts unlike the scenarios described above standards australia has advised it will no longer provide a licence to amend as 4122 by marking up the amendments in the body of the contract

pdf as 4122 2010 australian standard general conditions - Jul 03 2022

web mar 17 2020 as 4122 2010 australian standard general conditions of contract for consultants pdf march 17 2020 author anonymous category liquidation tort insurance virtue legal concepts report this link download pdf share

as 4122 2010 reference use only ansi webstore - Sep 05 2022

web provides general conditions of contract for the engagement of consultants particularly in the construction industry the standard sets out the general obligations governing the relationship between these consultants and their clients it is not suitable for a design and construct project procurement method

as 4122 2000 general conditions of contract for engagement of con - Jan 29 2022

web jan 1 2000 buy as 4122 2000 general conditions of contract for engagement of consultants from sai global standards australia status superseded superseded by as 4122 2010 reference use only as 4122 2010 reusable single as 4122 2010 reusable multi supersedes dr 96385 as 4122 int 1993

as 4122 2010 reference use only sai global store - Aug 16 2023

web nov 22 2010 preview as 4122 2010 reference use only current add to watchlist general conditions of contract for consultants available format s hardcopy pdf 1 user pdf 3 users pdf 5 users pdf 9 users language s published date 22 11 2010 publisher standards australia description abstract general product information history

maddocks a new standard for engaging consultants - Oct 06 2022

web apr 18 2013 introduction of as4122 2010 a new standard for engaging consultants this update looks at as4122 2010 the new standard form contract for the appointment of consultants introduced by standards australia its

as 4122 2010 standards australia - Jan 09 2023

web nov 22 2010 provides general conditions of contract for the engagement of consultants particularly in the construction industry the standard sets out the general obligations governing the relationship between these consultants and their clients it is not suitable for a design and construct project procurement method

f4 general conditions of contract for engagement of consultants - Dec 08 2022

web this guide suggests the use of australian standard 4122 2000 general conditions of contract for engagement of consultants and associated annexures a and b collectively as 4122 2000 printed copies of as 4122 2000 are available from sai global by calling 1300 654 646 or online at sai global com shop

as4122 2010 general conditions of contract aca association - Apr 12 2023

web the aca recommends members use as4122 2010 general conditions of contract for consultants aca recommends this standard contract noting the following important points it is not intended for use in a design and construct context or where the client intends to novate the contract

australian standard home - May 13 2023

web as 4122 2010 incorporating amendment no 1 australian standard general conditions of contract for consultants first published as as 4122 int 1993 revised and designated as 4122 2000 second edition 2010 reissued incorporating amendment no 1 august 2011 copyright standards australia limited all rights are reserved

isn t it time to update the australian standards contracts - May 01 2022

web feb 23 2022 at the date of this piece only three of the australian standards contracts on the sai global contract standards catalogue are less than 18 years old as 4950 2006 form of formal instrument of agreement as 4904 2009 consultants agreement design and construct and as 4122 2010 general conditions of contract for consultants 1 australian standard this is a free 5 page sample access the full - Feb 10 2023

web aug 29 2021 $\,$ as 4122 2010 incorporating amendment no 1 australian standard general conditions of contract for consultants this australian standard was prepared by committee $\,$ ll 001 general conditions of contract for consultants it was approved on behalf of the council of standards australia on 15 october 2010

what pro forma contract should i use planned cover - Jun 02 2022

web sep 1 2017 as 4122 is the main australian standard consultancy agreement a lot of work was done on the 2010 version to improve clauses that imposed uninsured liability on the consultant the result is a great improvement albeit with a small number of remaining risks to consider

as 4122 2000 general conditions of contract for engagement - Jul 15 2023

web general conditions of contract for engagement of consultants this australian standard was prepared by committee ob 010 construction industry practice it was approved on behalf of the council of standards australia on 10 november 2000 and published on 19 december 2000