# Basic ICT Skills: Microsoft® Office 2007

# About this Presentation information



This e-torial was adapted by maggiev for the Department of Education for use by subject advisors, teachers and learners

Original Microsoft® Office 2007 tutorial templates can be found at:

http://office.microsoft.com/enus/templates/CT102036981033.aspx

All e-turials can be found on the Thutong portal: www.thutong.org.za





# **Maths Paper 1 Thutong National Education Portal**

**Michael Brown** 

**Maths Paper 1 Thutong National Education Portal:** 

As recognized, adventure as without difficulty as experience roughly lesson, amusement, as capably as contract can be gotten by just checking out a book **Maths Paper 1 Thutong National Education Portal** next it is not directly done, you could bow to even more roughly speaking this life, on the world.

We come up with the money for you this proper as well as easy way to acquire those all. We allow Maths Paper 1 Thutong National Education Portal and numerous books collections from fictions to scientific research in any way. along with them is this Maths Paper 1 Thutong National Education Portal that can be your partner.

## **Table of Contents Maths Paper 1 Thutong National Education Portal**

- 1. Understanding the eBook Maths Paper 1 Thutong National Education Portal
  - The Rise of Digital Reading Maths Paper 1 Thutong National Education Portal
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Maths Paper 1 Thutong National Education Portal
  - 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 Maths Paper 1 Thutong National Education Portal
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Maths Paper 1 Thutong National Education Portal
  - Personalized Recommendations
  - Maths Paper 1 Thutong National Education Portal User Reviews and Ratings
  - Maths Paper 1 Thutong National Education Portal and Bestseller Lists

- 5. Accessing Maths Paper 1 Thutong National Education Portal Free and Paid eBooks
  - Maths Paper 1 Thutong National Education Portal Public Domain eBooks
  - Maths Paper 1 Thutong National Education Portal eBook Subscription Services
  - Maths Paper 1 Thutong National Education Portal Budget-Friendly Options
- 6. Navigating Maths Paper 1 Thutong National Education Portal eBook Formats
  - o ePub, PDF, MOBI, and More
  - Maths Paper 1 Thutong National Education Portal Compatibility with Devices
  - Maths Paper 1 Thutong National Education Portal Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Maths Paper 1 Thutong National Education Portal
  - Highlighting and Note-Taking Maths Paper 1 Thutong National Education Portal
  - o Interactive Elements Maths Paper 1 Thutong National Education Portal
- 8. Staying Engaged with Maths Paper 1 Thutong National Education Portal
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - $\circ$  Following Authors and Publishers Maths Paper 1 Thutong National Education Portal
- 9. Balancing eBooks and Physical Books Maths Paper 1 Thutong National Education Portal
  - Benefits of a Digital Library
  - $\circ$  Creating a Diverse Reading Collection Maths Paper 1 Thutong National Education Portal
- 10. Overcoming Reading Challenges
  - o Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Paper 1 Thutong National Education Portal
  - Setting Reading Goals Maths Paper 1 Thutong National Education Portal
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Paper 1 Thutong National Education Portal
  - Fact-Checking eBook Content of Maths Paper 1 Thutong National Education Portal
  - 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

#### **Maths Paper 1 Thutong National Education Portal Introduction**

Maths Paper 1 Thutong National Education Portal Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Maths Paper 1 Thutong National Education Portal Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Maths Paper 1 Thutong National Education Portal: This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Maths Paper 1 Thutong National Education Portal: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Maths Paper 1 Thutong National Education Portal Offers a diverse range of free eBooks across various genres. Maths Paper 1 Thutong National Education Portal Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Maths Paper 1 Thutong National Education Portal Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Maths Paper 1 Thutong National Education Portal, especially related to Maths Paper 1 Thutong National Education Portal, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Maths Paper 1 Thutong National Education Portal, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Maths Paper 1 Thutong National Education Portal books or magazines might include. Look for these in online stores or libraries. Remember that while Maths Paper 1 Thutong National Education Portal, sharing copyrighted material without permission is not legal. Always ensure your either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Maths Paper 1 Thutong National Education Portal eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Maths Paper 1 Thutong

National Education Portal full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Maths Paper 1 Thutong National Education Portal eBooks, including some popular titles.

# **FAQs About Maths Paper 1 Thutong National Education Portal 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 webbased 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. Maths Paper 1 Thutong National Education Portal is one of the best book in our library for free trial. We provide copy of Maths Paper 1 Thutong National Education Portal in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Maths Paper 1 Thutong National Education Portal. Where to download Maths Paper 1 Thutong National Education Portal online for free? Are you looking for Maths Paper 1 Thutong National Education Portal PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Maths Paper 1 Thutong National Education Portal. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Maths Paper 1 Thutong National Education Portal are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Maths Paper 1 Thutong National Education Portal. So depending

on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Maths Paper 1 Thutong National Education Portal To get started finding Maths Paper 1 Thutong National Education Portal, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Maths Paper 1 Thutong National Education Portal So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Maths Paper 1 Thutong National Education Portal. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Maths Paper 1 Thutong National Education Portal, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Maths Paper 1 Thutong National Education Portal is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Maths Paper 1 Thutong National Education Portal is universally compatible with any devices to read.

## Find Maths Paper 1 Thutong National Education Portal:

how to set up and run a fashion label

how to write informal report

how to update craftsman 20899

hoyt buffalo owners manual

how to write organic chemistry lab report

hp 1300n printers owners manual

how to shift smoothly

hp 2415 desktops owners manual

how to write equity research report

hp 1000 user manual

hp 1280 service manual

how to wire a receptacle in series

how to wire 240 volt outlet for welder

how to set keyword search simple steps to maintain

how to write essay for scholarship examples

# **Maths Paper 1 Thutong National Education Portal:**

ati pn pharmacology proctored exam flashcards quizlet - May 12 2023

web exceeding 4 mg dl blood urea nitrogen bun 80 to 100 mg dl within 1 week with arf gradual increase with elevated serum creatinine over months to years for crf 180 200 mg dl with crf serum electrolytes decreased sodium dilutional and calcium increased potassium phosphorus and magnesium

# ati pharmacology proctored exam test bank latest 2021 - Aug 03 2022

web ati pharmacology proctored exam test bank ati proctored pharmacology exam 2019 ati rn proctored pharmacology form b ati pharmacology practice a and b ati pharmacology exam complete guide 69 45 0 x sold 7 items bundle contains 7 documents 1 ati pharmacology proctored exam test bank latest 2021 2 ati

# ati proctor process guide ati testing - Jun 13 2023

web all proctored assessments online version excludes teas nursing education ati proctor process guide y pn pharmacology 60 60 ati online assessments have multiple item formats to reflect the item formats used on the nclex these formats may include multiple choice items with four responses for

# ati pharmacology latest update 2022 2023 proctored - Jan 28 2022

web ati pharmacology latest update 2022 2023 proctored exam study guide questions ans 100 correctly verified graded a ati pharmacology latest update 2022 2023 proctored exam study guide questions ans 100 docsity

proctored pharmacology ati assessment 2014 - Dec 07 2022

web proctored pharmacology ati assessment 2014 sip indagkop kaltimprov go id download resources drug delivery monika schäfer korting 2010 03 10 in the view of most experts pharmacology is on drugs targets and actions in the context the drug as a rule is seen as an active pharmaceutical ingredient

rn ati pharmacology proctored test 2019 flashcards and study sets quizlet - Sep 04 2022

web learn rn ati pharmacology proctored test 2019 with free interactive flashcards choose from 692 different sets of rn ati pharmacology proctored test 2019 flashcards on quizlet

ati pharmacology proctored assessment docmerit - Dec 27 2021

web bundle contains 9 documents 1 ati pharmacology proctored exam questions and verified answers 2 ati pharmacology proctored exam 4 ati pharmacology proctored exam ati pharmacology proctored exam 2019 study quide stuvia - Apr 30 2022

web nov 5 2021 ati pharmacology proctored assessment exam 2019 a patient newly diagnosed with hypothyroidism is

prescribed levothyroxine synthroid 0 25 mg po daily after 6 weeks of treatment the nurse dtermines that the medication was effective if the 1 thyroid stimulating hormone tsh level is 2 m show more

# ati pharmacology proctored exam 7 versions - Feb 26 2022

web ati pharmacology proctored exam 7 versions latest 2021 docmerit ati pharmacology proctored exam 7 versions latest 2021 27 45 add to cart browse study resource subjects chamberlain college of nursing ati nursing

# proctored pharmacology ati assessment 2014 pdf - Nov 06 2022

web proctored pharmacology ati assessment 2014 pdf upload suny x hayda 1 28 downloaded from voto uneal edu br on august 25 2023 by suny x hayda proctored pharmacology ati assessment 2014 pdf proctored pharmacology ati assessment 2014 pdf this is likewise one of the factors by obtaining the soft documents of this

pharm 2019 docx 1 ati ati pharmacology proctor 2019 1 a - Jun 01 2022

web ati pharmacology proctor 2019 1 a nurse is assessing a client who is receiving intravenous therapy the nurse should idenfy which of the following ndings as a manifestaon of uid volume excess a decreased bowel sounds b distended neck veins c bilateral muscle weakness d thread pulse 2

# pharmacology 2019 proctored exam flashcards and study sets quizlet - Oct 05 2022

web learn pharmacology 2019 proctored exam with free interactive flashcards choose from 1 395 different sets of pharmacology 2019 proctored exam flashcards on quizlet hello quizlet ati pharmacology proctored exam 2020 study - Jul 02 2022

web dec  $17\ 2020\ 1$  study guide ati pharmacology proctored exam 2 summary nr565 nr 565 week 2 advanced pharmacology fundamentals study guide fall  $2020\ 3$  exam elaborations ati capstone pharmacology 2019 rated a 4 exam elaborations ati pharmacology  $2\ 5$  exam elaborations nr 508 pharmacology mid term quiz show

ati pharmacology proctored exam ati pharmacology proctored - Apr 11 2023

web ati pharmacology proctored exam 1 nurse is assessing a client who has a new prescription for chlorpromazine to treat schizophrenia the client has a mask like facial expression and is experiencing involuntary movements and tremors

# ati pharmacology proctored exam ati pharmacology proctored - Mar 10 2023

web students also viewed pharm exam 2 study guide pharm final nurs572 week 7 study guide google doc week 4 studyguide 572 2 pharmacology study guide docx

ati pharmacology proctored assessment flashcards quizlet - Jul 14 2023

web flashcards learn created by genius1851 terms in this set 125 a patient newly diagnosed with hypothyroidism is prescribed levothyroxine synthroid 0 25 mg po daily after 6 weeks of treatment the nurse determines that the medication was effective if the 1 thyroid stimulating hormone tsh level is 2 microunits ml 2 total t4 level is 2 mcg dl

ati proctored pharmacology flashcards and study sets quizlet - Aug 15 2023

web learn ati proctored pharmacology with free interactive flashcards choose from 5 000 different sets of ati proctored pharmacology flashcards on quizlet

ati pharmacology proctored assesment 2019 1 youtube - Mar 30 2022

web mar 5 2021 this tutorial falls under the subject category of education in this tutorial you ll find questions based on pharmacology get instant online assignment hel

# ati pharmacology proctor 2019 the nurse should identify - Jan 08 2023

web ati pharmacology proctor 2019 a nurse is assessing a client who is receiving intravenous therapy the nurse should identify which of the following findings as a manifestation of fluid volume excess a decreased bowel sounds b distended neck veins c bilateral muscle weakness d thread pulse

quizlet ati notes quizlet ati pharmacology proctor 2019 - Feb 09 2023

web preview text quizlet ati pharmacology proctor 2019 a nurse is assessing a client who is receiving intravenous therapy the nurse should identify which of the following findings as a manifestation of fluid volume excess a decreased bowel sounds b distended neck veins c bilateral muscle weakness d thread pulse

section 1 the nixon administration an pdf neurocme med ucla - Feb 25 2022

web laptop section 1 the nixon administration answers section 1 the nixon administration answers keythe administration even used the internal revenue service to audit the

24 chapter guided reading the nixon administration - Apr 10 2023

web the nixon administration section 1 finding main ideas the following questions deal with counterculture movement answer them in the space provided 1 in what ways did

section 1 the nixon administration answer sheet copy - May 31 2022

web section 1 the nixon administration answer sheet 2 6 downloaded from uniport edu ng on april 24 2023 by guest the inner circle using the internal policy debate over arms

#### section 1 the nixon administration answers key daniel yergin - Oct 04 2022

web merely said the section 1 the nixon administration answers key is universally compatible with any devices to read the haldeman diaries harry r haldeman 1995

section 1 the nixon administration answer key reg murphy copy - Apr 29 2022

web this online publication section 1 the nixon administration answer key can be one of the options to accompany you considering having further time it will not waste your time

download solutions section 1 the nixon administration answer - Dec 06 2022

web a longtime nixon associate and advisor offers an objective and revealing account of the nixon administration and the controversial issues campaign intelligence operations

# chapter 32 section 1 the nixon administration flashcards - Jul 13 2023

web a policy of reducing cold war tensions that was adopted by the united states during the presidency of richard nixon salt i treaty a five year agreement between the u s and

the nixon administration lesson 1 flashcards quizlet - May 11 2023

web study with quizlet and memorize flashcards containing terms like to who did republican candidate richard nixon tailor his campaign message what was nixon s southern

# section 1 the nixon administration answer sheet pdf - Jul 01 2022

web jul 31 2023 section 1 the nixon administration answer sheet 1 7 downloaded from uniport edu ng on july 31 2023 by guest section 1 the nixon administration answer

nixon administration definition of nixon administration by the - Oct 24 2021

web nixon administration synonyms nixon administration pronunciation nixon administration translation english dictionary definition of nixon administration noun

#### nixon administration flashcards quizlet - Nov 05 2022

web george stanley mcgovern ph d born july 19 1922 is a former united states representative senator and democratic presidential nominee mcgovern lost the 1972

chp 24 sec 1 the nixon administration pdf name date - Jan 07 2023

web name date guided reading the nixon administration section 1 a as you read about the nixon administration take notes to describe president nixon s policies toward the

#### section 1 the nixon administration answer sheet pdf - Mar 29 2022

web may 11 2023 section 1 the nixon administration answer sheet as one of the most effective sellers here will categorically be among the best options to review peace in

## the 2024 executive power survey robert f kennedy jr - Sep 22 2021

web the c i a s use of torture was an unmitigated human rights disaster an absolute abomination committed in the name of the united states of america and must never

nixon administration answers section 1 - Dec 26 2021

web invest tiny mature to log on this on line publication nixon administration answers section 1 as with ease as review them wherever you are now herblock s history herbert block

# chapter 24 section 1 the nixon administration flashcards - Aug 14 2023

web richard m nixon plan to give federal power back to the states new federalism plan for the federal government to share money with state and local governments revenue

th24g243 nixon pdf name chapter 24 section 1 pages - Mar 09 2023

web answer key chapter 24 an age of limits pages 784 815 section 1 the nixon administration pages 786 792 1 conservative policies nixon supported included

#### section 1 the nixon administration answer key skillience com - Aug 02 2022

web of this section 1 the nixon administration answer key can be taken as skillfully as picked to act the greatest comeback patrick j buchanan 2015 05 26 patrick j

# section 1 the nixon administration answer sheet pdf - Aug 22 2021

web may 25 2023 and install section 1 the nixon administration answer sheet correspondingly simple impoundment of funds government expenditures on president

#### chapter 24 the nixon administration flashcards quizlet - Jun 12 2023

web study with quizlet and memorize flashcards containing terms like nixons foreign policy nixon domestic policy opec and more

nixon v general services administration wikipedia - Sep 03 2022

web rehnquist nixon v general services administration 433 u s 425 1977 is a landmark court case concerning the principle of presidential privilege and whether the public is

# chapter 24 section 1 2 quiz flashcards quizlet - Feb 08 2023

web 1 25 flashcards learn test match created by mlitchfield terms in this set 25 richard nixon elected president 1968 impeached new federalism distributed federal power to

# section 1 the nixon administration answer sheet copy - Jan 27 2022

web mar 31 2023 section 1 the nixon administration answer sheet 3 10 downloaded from uniport edu ng on march 31 2023 by guest conversations and more in what will stand

richard nixon administration foreign affairs - Nov 24 2021

web nixon the education of a politician 1913 1962 the foreign politics of richard nixon the grand design the world and richard nixon gaddis smith capsule review

coding with scratchjr ready set code by alvaro - Apr 03 2023

web abebooks com coding with scratchjr ready set code 9781541538757 by scrivano Álvaro and a great selection of similar new used and collectible books available now at

coding with scratchjr nc kids digital library overdrive - Apr 22 2022

web coding with scratch jr ready set code by Álvaro scrivano english march 1st 2019 isbn 1541538757 1541546687 36 pages true pdf 13 66 mb in coding with

coding with scratch jr ready set code anna s archive - Jul 26 2022

web try these teacher led activities to explore creative coding with scratchjr can i make the sun set students will get an introduction to programming by making a sun set over a

scratchjr apk for android download apkpure com - Dec 19 2021

coding with scratchir ready set code kindle edition - Dec 31 2022

web read download pdf coding with scratch jr ready set code free update the latest version with high quality try now coding with scratch jr ready set code pdf zlib pub - Oct 09 2023

web coding with scratch jr ready set code author Álvaro scrivano language english isbn 2018030527 2018032651 9781541543041 9781541538757 9781541546684 year 2019 file size 13 7 mb total downloads 4 505 total views 13 814 pages in

## coding with scratch jr ready set code pdf z library - Oct 29 2022

web ready set code coding with coding scratchjr with scratchjr Álvaro scrivano this page left blank intentionally ready set code coding with

coding with scratchjr by Álvaro scrivano overdrive - Nov 29 2022

web in coding with scratchjr you can land on the moon travel deep under the sea take a trip to a magical world and play a game of basketball easy to follow step by step

coding with scratch ir ready set code pdf 66icv0ico1r0 - Aug 27 2022

web scratch is the world's largest free coding community for kids your support makes a difference donate create stories games and animations share with others around the

scratchjr home - May 04 2023

web in coding with scratchjr you can land on the moon travel deep under the sea take a trip to a magical world and play a game of basketball easy to follow step by step

# coding with scratchjr ready set code softcover abebooks - Mar 02 2023

web coding with scratchjr ready set code ebook scrivano Álvaro downing sue amazon ca kindle store 9781541538757 coding with scratchjr ready set code - Feb 01 2023

web jan 1 2019 9781541538757 series ready set code author Álvaro scrivano publisher lerner publishing group release 01 january 2019 subjects computer technology

coding with scratchjr Álvaro scrivano google books - Jun 05 2023

web jan 1 2019 once you ve got the hang of it there are different challenges you can choose to really test your coding skills and handy troubleshooting hints to help if you need them

coding with scratchjr ready set code kindle edition - Jul 06 2023

web jan 1 2019 coding with scratchjr ready set code kindle edition by scrivano Álvaro downing sue download it once and read it on your kindle device pc phones

scratchjr hour of code - May 24 2022

web sep 15 2023 read read download coding with scratchjr ready set code by veteranggs on issuu and browse thousands of other publications on our platform s

coding with scratch jr ready set code gfxtra - Feb 18 2022

#### coding with scratchjr ready set code kağıt kapak - Aug 07 2023

web coding with scratchjr ready set code scrivano alvaro amazon com tr kitap

read download coding with scratchjr ready set code - Mar 22 2022

web jan 1 2019 coding with scratch jr ready set code by sue downing Álvaro scrivano paperback buy used very good copy add to cartname used good 1

# coding with scratchjr ready set code amazon com - Sep 08 2023

web jan 1 2019 coding with scratchjr ready set code scrivano Álvaro downing sue on amazon com free shipping on qualifying offers coding with scratchjr ready

scratch imagine program share - Jun 24 2022

web once you ve got the hang of it there are different challenges you can choose to really test your coding skills and handy troubleshooting hints to help if you need them self

#### coding with scratchir ready set code goodreads - Sep 27 2022

web explore the language that s making coding possible for young coders with this step by step guide screenshots guide readers through the scratchjr basics of this

buy new used books online with free shipping better world - Jan 20 2022