NEB-GRADE XI 2076 (2019)

Mathematics

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Time: 3 hrs.

Full Marks: 100

Pass Marks: 35 (For partial students only)

Attempt all questions.

$$5 \times 3 \times 2 = 30$$

- a. Find the truth value of the biconditional statement of p and q where p represents '2 is an even number' and q represents '4 is an even number'.
 - b. If $f: \Re \rightarrow \Re$ be defined by f(x) = 2x 3, find f^{-1}
 - c. Test the even or odd nature and symmetricity of the function $y = 8x^2$
- a. Express tan-1x in terms of inverse of sin function.
 - b. Prove by mathematical induction: $l+3+5+...+(2n-1)=n^2$
 - c. Find the adjoint of the matrix $\begin{pmatrix} 2 & 5 \\ 3 & -7 \end{pmatrix}$
- 3. a. Using Cramer's rule, solve: 3x + 2y + 9 = 0, 2x 3y + 6 = 0
 - b. Express $\sqrt{3} + i$ in polar form.
 - c. If one root of the equation $ax^2 + bx + c = 0$ be twice the other, show that $2b^2 = 9ac$
- 4. a. Find the equation of the straight line that has y- intercept '2' and is parallel to 4x-8y+3=0
 - Find the equation of the circle which passes through origin and makes equal intercepts on both axes.

c. Evaluate: $x \to 0$ 1-cos nx

Maths Paper2 Grd11 June 2014

David Kirk

Maths Paper2 Grd11 June 2014:

Delve into the emotional tapestry woven by in **Maths Paper2 Grd11 June 2014**. This ebook, available for download in a PDF format (*), is more than just words on a page; it is a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

https://staging.conocer.cide.edu/public/detail/index.jsp/loglan 88 report on the programming la.pdf

Table of Contents Maths Paper2 Grd11 June 2014

- 1. Understanding the eBook Maths Paper 2 Grd11 June 2014
 - The Rise of Digital Reading Maths Paper2 Grd11 June 2014
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Maths Paper2 Grd11 June 2014
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - o Features to Look for in an Maths Paper2 Grd11 June 2014
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Maths Paper2 Grd11 June 2014
 - Personalized Recommendations
 - Maths Paper2 Grd11 June 2014 User Reviews and Ratings
 - Maths Paper2 Grd11 June 2014 and Bestseller Lists
- 5. Accessing Maths Paper2 Grd11 June 2014 Free and Paid eBooks
 - Maths Paper2 Grd11 June 2014 Public Domain eBooks
 - Maths Paper2 Grd11 June 2014 eBook Subscription Services
 - Maths Paper2 Grd11 June 2014 Budget-Friendly Options
- 6. Navigating Maths Paper2 Grd11 June 2014 eBook Formats

- o ePub, PDF, MOBI, and More
- Maths Paper2 Grd11 June 2014 Compatibility with Devices
- Maths Paper2 Grd11 June 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Maths Paper2 Grd11 June 2014
 - Highlighting and Note-Taking Maths Paper2 Grd11 June 2014
 - Interactive Elements Maths Paper2 Grd11 June 2014
- 8. Staying Engaged with Maths Paper2 Grd11 June 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - ∘ Following Authors and Publishers Maths Paper2 Grd11 June 2014
- 9. Balancing eBooks and Physical Books Maths Paper2 Grd11 June 2014
 - Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Maths Paper 2 Grd11 June 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Paper2 Grd11 June 2014
 - Setting Reading Goals Maths Paper2 Grd11 June 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Paper 2 Grd11 June 2014
 - Fact-Checking eBook Content of Maths Paper2 Grd11 June 2014
 - 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 Paper2 Grd11 June 2014 Introduction

Maths Paper 2 Grd11 June 2014 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 2 Grd11 June 2014 Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Maths Paper2 Grd11 June 2014: 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 Paper2 Grd11 June 2014: 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 Paper2 Grd11 June 2014 Offers a diverse range of free eBooks across various genres. Maths Paper2 Grd11 June 2014 Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Maths Paper2 Grd11 June 2014 Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Maths Paper2 Grd11 June 2014, especially related to Maths Paper2 Grd11 June 2014, 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 Paper2 Grd11 June 2014, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Maths Paper 2 Grd11 June 2014 books or magazines might include. Look for these in online stores or libraries. Remember that while Maths Paper2 Grd11 June 2014, sharing copyrighted material without permission is not legal. Always ensure youre 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 Paper2 Grd11 June 2014 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 Paper2 Grd11 June 2014 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 Paper2 Grd11 June 2014 eBooks, including some popular titles.

FAQs About Maths Paper2 Grd11 June 2014 Books

1. Where can I buy Maths Paper2 Grd11 June 2014 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 Maths Paper2 Grd11 June 2014 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 Maths Paper2 Grd11 June 2014 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 Maths Paper2 Grd11 June 2014 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 Maths Paper2 Grd11 June 2014 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 Maths Paper2 Grd11 June 2014:

loglan 88 report on the programming la

lodge presents chef john folses cast iron cooking

long good boy a rachel alexander and dash mystery

lonely planet east africa

london bridges

loggerhead easys

logic of discovery and logic of discourse

long distance runners guide to training and racing build your endurance strength and efficiency

london by night map n guide

logiciel baelrbaeltmr

lone wolf no. 12 the masters of darkness

london world cultural guides

london new york hell gen13

loeuf the egg

lollipop dragon the big easter egg hunt

Maths Paper2 Grd11 June 2014:

beautiful agony 3 world ending apocalyptic gay bd pdf 2023 - Aug 03 2022

web may 27 2023 beautiful agony 3 world ending apocalyptic gay bd pdf this is likewise one of the factors by obtaining the soft documents of this beautiful agony 3 world

beautiful agony 3 world ending apocalyptic gay bd - Dec 27 2021

web as this beautiful agony 3 world ending apocalyptic gay bd it ends stirring subconscious one of the favored ebook beautiful agony 3 world ending apocalyptic

beautiful agony 3 world ending apocalyptic gay bd pablo - Jun 13 2023

web merely said the beautiful agony 3 world ending apocalyptic gay bd is universally compatible in the manner of any devices to read beautiful agony 3 world ending

beautiful agony 3 world ending apocalyptic gay bd pdf walter - Sep 23 2021

web jun 25 2023 as this beautiful agony 3 world ending apocalyptic gay bd pdf it ends happening instinctive one of the

favored book beautiful agony 3 world ending

beautiful agony 3 world ending apocalyptic gay bd kit rocha - Feb 09 2023

web beautiful agony 3 world ending apocalyptic gay bd as recognized adventure as with ease as experience nearly lesson amusement as well as covenant can be gotten by just

beautiful agony 3 world ending apocalyptic gay bd book - Jul 14 2023

web who lived at the end of the world is a story for those who prefer their apocalypse to be more personal quite simply one of the most beautiful books i ve ever read more

beautiful agony 3 world ending apocalyptic gay bd pdf - Jan 08 2023

web jun 17 2023 beautiful agony 3 world ending apocalyptic gay bd but end stirring in harmful downloads rather than enjoying a fine ebook past a cup of coffee in the

beautiful agony 3 world ending apocalyptic gay bdsm romance - Oct 25 2021

web jun $25\ 2023$ in the path of them is this beautiful agony 3 world ending apocalyptic gay bdsm romance by akira arenth that can be your companion beautiful agony 3

beautiful agony 3 world ending apocalyptic gay bd - Jun 01 2022

web dear agony the electrical world beautiful agony 3 world ending apocalyptic gay bd downloaded from old talentsprint com by guest webb aguirre weekly world news

beautiful agony 3 world ending apocalyptic gay bd emily - Apr 11 2023

web beautiful agony 3 world ending apocalyptic gay bd as recognized adventure as capably as experience practically lesson amusement as with ease as arrangement can

love at the end of the world episode 3 gagaoolala - Nov 25 2021

web episode 3 we need to talk about tony tony contemplates his perfect suicide and struggles with the skeletons of his past ian gets to know tony and quickly develops

beautiful agony 3 world ending apocalyptic gay bd pdf - Sep 04 2022

web jul 18 2023 beautiful agony 3 world ending apocalyptic gay bd 2 11 downloaded from uniport edu ng on july 18 2023 by guest revised edition confirms the book s timely value

beautiful agony 3 world ending apocalyptic gay bd - Jan 28 2022

web young avengers vol 3 tail end charlies the tragedie of macbeth congressional record beautiful agony 3 world ending apocalyptic gay bd downloaded from

beautiful agony 3 world ending apocalyptic gay bd - Oct 05 2022

web beautiful agony 3 world ending apocalyptic gay bd is universally compatible afterward any devices to read beautiful

agony 3 world ending apocalyptic gay bd

beautiful agony 3 world ending apocalyptic gay bd copy - Mar 30 2022

web may 4 2023 beautiful agony 3 world ending apocalyptic gay bd 3 15 downloaded from uniport edu ng on may 4 2023 by guest series with bits of buffy game of

beautiful agony 3 world ending apocalyptic gay bd download - Dec 07 2022

web 2 beautiful agony 3 world ending apocalyptic gay bd 2020 03 12 beautiful agony 3 world ending apocalyptic gay bd 2020 03 12 janiya harold mary lutyens 3

beautiful agony 3 world ending apocalyptic gay bd pdf 2023 - Nov 06 2022

web jul 29 2023 revelation as capably as perspicacity of this beautiful agony 3 world ending apocalyptic gay bd pdf can be taken as skillfully as picked to act ashes of the

beautiful agony 3 world ending apocalyptic gay bd copy - Apr 30 2022

web beautiful agony 3 world ending apocalyptic gay bd 1 beautiful agony 3 world ending apocalyptic gay bd right here we have countless books beautiful agony 3

beautiful agony 3 world ending apocalyptic gay bd anne - Jul 02 2022

web beautiful agony 3 world ending apocalyptic gay bd is available in our digital library an online access to it is set as public so you can download it instantly our books collection

beautiful agony 3 world ending apocalyptic gay bdsm romance - Aug 15 2023

web jun 26 2023 beautiful agony 3 world ending apocalyptic gay bdsm romance by akira arenth as one of the predominant working sellers here will thoroughly be joined by

beautiful agony 3 world ending apocalyptic gay bd copy - Feb 26 2022

web 2 beautiful agony 3 world ending apocalyptic gay bd 2020 05 25 releasing legions of unnatural creatures that have pushed humanity to the edge of extinction while warring

beautiful agony 3 world ending apocalyptic gay bd download - May 12 2023

web beautiful agony 3 world ending apocalyptic gay bd how to love a lion craving for distress 3 a column of fire emerald agony tail end charlies as good as it gets the

beautiful agony 3 world ending apocalyptic gay bd pdf ftp - Mar 10 2023

web beautiful agony 3 world ending apocalyptic gay bd maybe you have knowledge that people have look numerous time for their favorite books as soon as this beautiful

may i get bbm on a nokia xpressmusic phone ask me fast - May 22 2022

web community experts online right now ask for free ask your question fast

i want bbm on my nokia xpress music how can i get it ask me - Aug 25 2022

web community experts online right now ask for free ask your question fast

bbm nokia xpress book - May 02 2023

web feb 24 2014 blackberry s mobile messaging service bbm will be available for windows phone and nokia x users this summer the company announced monday during mobile

blackberry s bbm coming to windows phone and new nokia x - Jun 03 2023

web bbm nokia xpress transputer development system aug 06 2020 a coverage of the transputer development system tds an integrated programming environment which

can my phone take bbm i have a nokia xpress music 5600 - Apr 20 2022

web bbm nokia xpress reviewing bbm nokia xpress unlocking the spellbinding force of linguistics in a fast paced world fueled by information and interconnectivity the

can you download bbm on xpress music ask me fast - Sep 25 2022

web community experts online right now ask for free ask your question fast

blackberry adds bbm for windows phone and nokia x platforms - Jun 22 2022

web community experts online right now ask for free ask your question fast

bbm on nokia x lumia and possibly asha windows blog - Jul 04 2023

web feb 24 2014 already available on android and ios bbm will now be coming to windows smartphones and the now officially revealed nokia x devices

nokia 5310 2020 xpressmusic mobile phone with long lasting - Nov 27 2022

web at mobile world congress the company announced blackberry messenger will be available on the nokia x family of devices in addition to windows phone

can i download bbm for a nokia phone 5800 xpress music i - Jul 24 2022

web mar 6 2014 tuesday october 10 2023 no result view all result

blackberry announces bbm for windows phone and nokia x - Feb 28 2023

web feb $24\ 2014$ reuters blackberry ltd will make its bbm messaging tool available to microsoft corp s windows phone and the upcoming nokia x platforms in the coming

bbm coming to windows phone nokia x infoworld - Dec 29 2022

web with easy to use buttons smooth curves and a comfortable grip nokia 5310 is a new take on an old favorite an iconic design with a fresh face durability feel fired up and ready

nokia announces bbm and photoshop express for - Sep 06 2023

nokia xpress nokia tarafından geliştirilen ve 2015 yılının sonuna kadar microsoft microsoft mobile tarafından desteklenen bir mobil tarayıcıydı varsayılan olarak seri 40 windows phone nokia asha platform nokia x platform ile yüklendi gecko rendering motorunu kullandı nokia özellikli telefonlarda 2015 yılının başında opera tarayıcısı kullanılıyordu symbian s60 platformunda ise varsayılan tarayıcı nokia browser tarayıcısıdır

i have a nokia xpresmusic 5800 how can i get bbm on it ask me - Feb 16 2022

web download bbm nokia whatsapp chat free download for nokia 200 is it possible to download whatsapp on your laptop and then transfer it to your mobile nokia e51 or

nokia xpress vikipedi - Aug 05 2023

web feb 28 2014 this week at mobile world congress blackberry confirmed to conversations that its hugely popular messaging app bbm will become available on both the new nokia xpress browser available for download from nokia - Nov 15 2021

how to use bbm on nokia how do i get the bbm app on my - Jan 18 2022

web nokia 5800 xpressmusic symbian smartphone announced oct 2008 features 3 2 display 3 15 mp primary camera 1320 mah battery 81 mb storage 128 mb ram

nokia brings bbm to handsets debuts affordable smartphones - Oct 27 2022

web nokia 5130 xpress music bbm community experts online right now ask for free ask your question fast categories arts humanities

bbm nokia xpress wp publish com - Mar 20 2022

web community experts online right now ask for free ask your question fast

nokia xpress İndir Ücretsiz İndir tamindir - Oct 07 2023

web apr 19 2014 türkçe dahil birçok dilde destek veren nokia xpress tarayıcı web sayfalarını ve indirilen veriyi 90 a varan oranda azaltır bu sayede diğer telefonlardaki

bbm coming to windows phone nokia x pcworld - Apr 01 2023

web bbm will be available as a free download from the windows phone store this summer bbm for nokia x will be available from the nokia store when the nokia x platform launches

nokia 5800 xpressmusic full phone specifications - Dec 17 2021

web dec 25 2012 app description nokia xpress is a content discovery app that connects you to the internet in an entirely new way this cloud powered app is a fast and fun way to

blackberry to offer bbm to windows phone and nokia x - Jan 30 2023

web bbm coming to windows phone nokia x the blackberry mobile messaging service will be available on the phones this summer

30 of the most haunted places in singapore time out - Jun 12 2023

web friday 20 october 2023 in our land scarce lion city that hardly sleeps even the deceased can t always find a proper resting place growing up with so many tales about ghost sightings or places

ghosts series 5 cast tease very meaningful and emotional final - Oct 04 2022

web sep 26 2023 published 12 01 am 26 september 2023 image bbc monumental pictures guido mandozzi ghosts stars writers and creators mathew baynton simon farnaby martha howe douglas jim howick ghosts series 5 official trailer bbc youtube - Dec 06 2022

web sep 26 2023 going out with a bang watch the final series of ghosts on iplayer from 6 oct subscribe and to the bbc bit ly bbcyoutubesubwatch the bb

13 types of singapore ghosts according to supernatural urban - Mar 29 2022

web may 6 2015 during the 7th month in the lunar calendar these ghosts are said to roam the human realm to appease the hungry ghosts offerings are burned and front row seats are left empty during wayang and getai performances when the month is over the hell guards hunt for those who overstay on earth some hungry ghosts manage to escape the rest ghosts tv series 2021 episode list imdb - Apr 29 2022

web a young couple inherit a country mansion they move in and plan to turn it into a bed and breakfast however the house is also occupied by ghosts who are dead set against the idea

ghosts season finale review cbs hit sitcom saves a cnn - Aug 02 2022

web may 12 2023 editor's note the following contains spoilers about the season finale of ghosts the heir cnn ghosts concluded its season with the smallest of cliffhangers leaving the

6 bone chilling ghost tours in singapore to check out - Jul 01 2022

web aug 17 2023 this is one ghost tour you can t miss spooky singapore the ghosts of forbidden hill fort canning book online 5 haw par villa walking tour photography nicole nithiyah if you really want to encounter spirits

ghosts tv series 2021 full cast crew imdb - Nov 05 2022

web ghosts tv series 2021 cast and crew credits including actors actresses directors writers and more

ghosts 2019 british tv series wikipedia - Oct 16 2023

web ghosts is a british sitcom first broadcast on bbc one in april 2019 it follows a group of ghosts from different historical periods haunting a country house while sharing it with its new living occupants *qhosts rotten tomatoes* - Jan 07 2023

web when the spirits learn that the couple are planning to turn the house into a hotel they are horrified and seek to make life as difficult as possible for the new owners starring martha howe

ghosts american tv series wikipedia - Aug 14 2023

web the british revolutionary ghosts three ghosts who died in the revolutionary war and occupy the shed on the property that used to be a barracks as was agreed upon with isaac after the war ended they keep mostly to themselves and come up to the main house to redraw the borderlines every few years

ghosts tv series 2021 imdb - May 11 2023

web ghosts created by joe port joe wiseman with rose mciver utkarsh ambudkar brandon scott jones danielle pinnock a young couple sam and jay inherit a haunted mansion and unaware of their invisible housemates plan to turn it into a b b their lives become much more complicated after a fall causes sam to see the ghosts based on

ghosts tv series 2019 2023 imdb - Jul 13 2023

web with lolly adefope mathew baynton simon farnaby martha howe douglas a group of spirits restlessly squabble in an abandoned country house to their despair a young couple inherits the house with hopeful plans to renovate it into a luxury hotel

bbc iplayer ghosts - Feb 25 2022

web ghosts a cash strapped young couple inherit a rickety country mansion only to find it teeming with needy ghosts grown up comedy from the horrible histories team series 1 1

9 scariest singapore ghosts what to do if you see them - Apr 10 2023

web hungry ghosts 9 orang minyak 1 pontianak miss ponti kak ponz fatimah rocker whatever you want to call her she s singapore s most iconic hantu period also known as kuntilanak in indonesia pontianaks are spirits of women who have died during pregnancy or

ghosts official site watch on cbs - Mar 09 2023

web sep 28 2022 ghosts samantha and jay throw caution to the wind when they convert their recently inherited country estate into a bed and breakfast call it mislaid plans not only is the place falling apart but it s also inhabited by spirits of previous residents whom only samantha can see and hear

another series of ghosts is on the way to bbc one and bbc - May 31 2022

web dec 15 2022 the ghosts christmas special 2022 will be broadcast at 7 25pm on bbc one and bbc iplayer on christmas day all previous episodes of ghosts are available to watch now via bbc iplayer

ghosts rotten tomatoes - Feb 08 2023

web ghosts season 1 ncis sydney season 1 beacon 23 season 1 the crown season 6 scott pilgrim takes off season 1

bbc one ghosts - Sep 03 2022

web episodes a cash strapped young couple inherit a rickety country mansion only to find it teeming with needy ghosts grown up comedy from the horrible histories team

ghost wikipedia - Sep 15 2023

web t e in folklore a ghost is the soul or spirit of a dead person or non human animal that is believed to be able to appear to the living in ghostlore descriptions of ghosts vary widely from an invisible presence to translucent or barely visible wispy shapes to