



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--

MATHEMATICS

0580/11

Paper 1 (Core)

May/June 2015

1 hour

Candidates answer on the Question Paper.

Additional Materials:

Electronic calculator

Tracing paper (optional)

Geometrical instruments

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer all questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place.

For π , use either your calculator value or 3.142.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

The total of the marks for this paper is 56.

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of 10 printed pages and 2 blank pages.

Maths 0580 Paper 1

Lei Shi



Maths 0580 Paper 1:

When somebody should go to the book stores, search creation by shop, shelf by shelf, it is truly problematic. This is why we present the book compilations in this website. It will enormously ease you to look guide **Maths 0580 Paper 1** as you such as.

By searching the title, publisher, or authors of guide you in reality want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be all best place within net connections. If you plan to download and install the Maths 0580 Paper 1, it is certainly easy then, in the past currently we extend the associate to purchase and make bargains to download and install Maths 0580 Paper 1 consequently simple!

https://blog.gospelcrusade.org/data/book-search/fetch.php/Liberty_Patchwork_Quilt_Volume_1_Baby_Quilt_Poems_Of_Liberty.pdf

Table of Contents Maths 0580 Paper 1

1. Understanding the eBook Maths 0580 Paper 1
 - The Rise of Digital Reading Maths 0580 Paper 1
 - Advantages of eBooks Over Traditional Books
2. Identifying Maths 0580 Paper 1
 - 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 0580 Paper 1
 - User-Friendly Interface
4. Exploring eBook Recommendations from Maths 0580 Paper 1
 - Personalized Recommendations
 - Maths 0580 Paper 1 User Reviews and Ratings
 - Maths 0580 Paper 1 and Bestseller Lists

5. Accessing Maths 0580 Paper 1 Free and Paid eBooks
 - Maths 0580 Paper 1 Public Domain eBooks
 - Maths 0580 Paper 1 eBook Subscription Services
 - Maths 0580 Paper 1 Budget-Friendly Options
6. Navigating Maths 0580 Paper 1 eBook Formats
 - ePub, PDF, MOBI, and More
 - Maths 0580 Paper 1 Compatibility with Devices
 - Maths 0580 Paper 1 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Maths 0580 Paper 1
 - Highlighting and Note-Taking Maths 0580 Paper 1
 - Interactive Elements Maths 0580 Paper 1
8. Staying Engaged with Maths 0580 Paper 1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths 0580 Paper 1
9. Balancing eBooks and Physical Books Maths 0580 Paper 1
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Maths 0580 Paper 1
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Maths 0580 Paper 1
 - Setting Reading Goals Maths 0580 Paper 1
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Maths 0580 Paper 1
 - Fact-Checking eBook Content of Maths 0580 Paper 1
 - 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 0580 Paper 1 Introduction

In the digital age, access to information has become easier than ever before. The ability to download Maths 0580 Paper 1 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 Maths 0580 Paper 1 has opened up a world of possibilities. Downloading Maths 0580 Paper 1 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 Maths 0580 Paper 1 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 Maths 0580 Paper 1. 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 Maths 0580 Paper 1. 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 Maths 0580 Paper 1, 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 Maths 0580 Paper 1 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 Maths 0580 Paper 1 Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Maths 0580 Paper 1 is one of the best book in our library for free trial. We provide copy of Maths 0580 Paper 1 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Maths 0580 Paper 1. Where to download Maths 0580 Paper 1 online for free? Are you looking for Maths 0580 Paper 1 PDF? This is definitely going to save you time and cash in something you should think about.

Find Maths 0580 Paper 1 :

[liberty patchwork quilt volume 1 baby quilt poems of liberty libyan log](#)

[liberty ship the voyages of the john w brown 19421946](#)

[life and thought of kanzo uchimura 1861-1930](#)

liberty today

[life application study bible king james version](#)

life along the passaic river.

life in a haitian valley.

library of congreb subject headings library of congreb subject headings 23rd ed

life at the limit

life and work of paul gauguin

life form

life application new testament commentary

liechtenstein land of legend

life death and mibion

Maths 0580 Paper 1 :

klett mein test block 10 min diktate deutsch in der grundschule 4 - Jun 14 2023

web klett mein test block 10 min diktate deutsch in der grundschule 4 klasse die kleinen lerndrachen 4 klasse mit online Übungen lassert ursula isbn 9783129491485 kostenloser versand für alle bücher mit versand und verkauf duch amazon

klett mein test block 10 min diktate deutsch 4 klasse die - Jan 09 2023

web june 4th 2020 klett mein test block 10 min diktate 3 klasse deutsch in der grundschule über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen ausführliche lösungen hoher lernanreiz punkte sammeln wie bei einem quiz ausführliche

klett mein test block 10 min diktate deutsch 4 klasse die - Jan 29 2022

web klett mein test block 10 min diktate deutsch 4 klasse die kleinen lerndrachen plus online übungen by march 4th 2020

klett mein test block 10 min diktate deutsch in der grundschule 4 klasse die kleinen lerndrachen isbn 9783129491485

kostenloser versand für alle bücher mit versand und verkauf duch mein test block 10 min diktate 9783129491485

klett mein test block 10 min diktate 4 klasse pons - Apr 12 2023

web Über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen ausführliche lösungen zum heraustrennen ausführliche auswertungen mit förderhinweisen hoher lernanreiz punkte sammeln wie bei einem quiz schwierige diktate für können für leistungsstärkere schüler das motiviert zusätzlich über 50 online Übungen zum

klett mein test block 10 min diktate deutsch 4 klasse die - Feb 10 2023

web block 10 min diktate 4 klasse 4 klasse ernst klett verlag suche klett mein test block 10 min diktate 4 klasse 2016 klett

mein test block 10 min diktate 4 klasse Über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen ausführliche lösungen zum heraustrennen ausführliche auswertungen mit

klett deutsch englisch Übersetzung pons - Feb 27 2022

web Übersetzungen für klett im englisch deutsch wörterbuch springe zu deutsch englisch to prove oneself sb sth during the rescue she proved herself to be a highly competent climber während der rettungsaktion erwies sie sich als sehr geübte kletterin

[klett mein test block 10 min diktate deutsch in der](#) - Nov 07 2022

web klett mein test block 10 min diktate deutsch in der grundschule 3 klasse die kleinen lerndrachen isbn 9783129493526 kostenloser versand für alle bücher mit versand und verkauf duch amazon

klett mein test block 10 min diktate deutsch 4 kl pdf wrbb neu - Sep 05 2022

web kindly say the klett mein test block 10 min diktate deutsch 4 kl is universally compatible with any devices to read klett mein test block 10 min diktate deutsch 4 kl 2022 05 11 randall pope 10 min diktate indiana university press why the card catalog a paper machine with rearrangeable elements can be regarded as a

die kleinen lerndrachen mein test block mein test block 10 min - Aug 16 2023

web die kleinen lerndrachen mein test block mein test block 10 min diktate 4 klasse

klett mein test block 10 min diktate 3 klasse grundschule - Dec 08 2022

web Über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen ausführliche l ouml sungen zum herausnehmen hoher lernanreiz punkte sammeln wie bei einem quiz ausführliche auswertungen mit

klett mein test block 10 min diktate deutsch 4 kl pdf - May 01 2022

web apr 8 2023 klett mein test block 10 min diktate deutsch 4 kl 1 9 downloaded from uniport edu ng on april 8 2023 by guest klett mein test block 10 min diktate deutsch 4 kl right here we have countless ebook klett mein test block 10 min diktate deutsch 4 kl and collections to check out

klett mein test block 10 min diktate deutsch 4 kl gil g noam - Jun 02 2022

web mein test block 10 min diktate 2013 theories of european integration ben rosamond 2000 04 22 this text provides a critical introduction to the full range of classical and contemporary perspectives on integration theory it explains the centrality of theoretical work to the study of integration and the eu quer durch die 3

ernst klett verlag schulbücher lehrmaterialien und - Mar 31 2022

web der ernst klett verlag bietet ihnen eine breitgefächerte auswahl an schulbüchern lernsoftware und materialien für lernende und lehrende besuchen sie unseren onlineshop und überzeugen sie sich selbst von unseren produkten

[klett mein test block 10 min diktate deutsch 4 klasse die](#) - Dec 28 2021

web klett mein test block 10 min diktate deutsch 4 klasse die kleinen lerndrachen plus online übungen by may 30th 2020

klett title die kleinen lerndrachen mein test block 10 min diktate deutsch 3 klasse author created date 6 4 2017 2 21 18 pm

[klett mein test block 10 min diktate 3 klasse bücher de](#) - Aug 04 2022

web Über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen ausführliche lösungen zum herausnehmenhoher lernanreiz punkte sammeln wie bei einem quizausführliche auswertungenmit spezial aufgaben für könner

klett mein test block 10 min diktate deutsch 4 kl - Jul 03 2022

web überfordert nicht und macht auch lust auf mehr 111 diktate für die 3 und 4 klasse das bekommen sie 111 diktate mit themen die kinder wirklich interessieren 555 minuten spaß beim gemeinsamen lernen jedes diktat ist nur

klett mein test block 10 min diktate deutsch 4 klasse die - Jul 15 2023

web klett mein test block 10 min diktate deutsch 4 klasse die kleinen lerndrachen plus online Übungen mit online Übungen isbn 9783129493564 kostenloser versand für alle bücher mit versand und verkauf duch amazon

klett mein test block 10 min diktate 4 klasse grundschule - May 13 2023

web klett mein test block 10 min diktate 4 klasse deutsch in der grundschule block format 14 8 x 21 0 cm 96 seiten isbn 978 3 12 949356 4 das produkt befindet sich nicht mehr im sortiment dieser artikel steht derzeit im shop nicht zur verfügung

Über 40 spannende diktate zu den wichtigsten rechtschreibphänomenen

klett mein test block 10 min diktate deutsch 4 klasse die - Oct 06 2022

web june 1st 2020 klett mein test block 10 min diktate 4 klasse isbn 978 3 12 949356 4 einzeltitel 5 99 klett die deutsch helden rechtschreiben und diktat 2 it klett mein test block 10 min diktate deutsch may 17th 2020 scopri klett mein test block 10 min diktate deutsch in der grundschule 4 klasse die kleinen

klett mein test block 10 min diktate deutsch 4 klasse die - Mar 11 2023

web klett mein test block 10 min diktate deutsch 4 klasse die kleinen lernd eur 4 90 zu verkaufen für leistungsstärkere schüler das motiviert zusätzlich über 50 online Übungen zum thema klasse 266183638565

lamborghini tractor r854 parts manual r 854 agrimanuals - Dec 29 2021

web can t find what you are looking for either email info agrimanuals com or call one of the team on uk 44 01579363006 and we will track it down for you

servicemanualtractorlamborghini854 download only - Apr 01 2022

web home tractor manuals other makes of tractors european lamborghini tractor manuals lamborghini tractor 854 operators manual lamborghini tractor 854

lamborghini tractor 854 operators manual agrimanuals - Jan 30 2022

web this operators manual gives advice on the operation of the machine the lubrication maintenance and safety aspects includes illustrations and diagrams lamborghini

[lamborghini 854 tractor full specifications and information](#) - Mar 12 2023

web ensure your lamborghini tractor is running at its best with this comprehensive lamborghini gallardo lp560 2009 2013 workshop service manual

lamborghini tractor manuals pdf free download - Oct 19 2023

web lamborghini tractor operator s manual service repair parts manuals technical brochures pdf free download lamborghini tractors history

lamborghini tractor maintenance guide - Jan 10 2023

web feb 4 2018 lamborghini 854 engine lamborghini diesel 4 cylinder air cooled 253 84 ci 4 2 l power 80 hp 59 7 kw drawbar 6 76 hp 5 0 kw bore 4 13 4 72 inches 105

lamborghini 854 technical specs many tractors - Feb 11 2023

web apr 1 2019 lamborghini r 854 spare parts catalog is the most complete and official manual which includes complete solutions for repairing and maintenance the

lamborghini tractor manuals tractor brochures - May 14 2023

web lamborghini 854 technical data dimensions and weight engine and transmission type oil type and capacity wheels and tires full specifications and description

tractordata com lamborghini 854 tractor engine information - Jul 04 2022

web auto repair software auto epc software auto repair manual workshop manual service manual workshop manual laamborghini model list lamborghini tractor r 854

read free service manual tractor lamborghini 854 - Feb 28 2022

web illustrated parts manual with exploded diagrams showing various components and the part numbers reproduced from an original

lamborghini 854 tractor specifications - Nov 08 2022

web this manual features complete coverage for your allis chalmers tractor models b c ca g rc wc wd covering routine maintenance tune up procedures engine repair cooling

lamborghini 854 tractorbynet - Oct 07 2022

web service manual tractor lamborghini 854 the national agricultural directory 2009 dec 21 2022 implement tractor red book nov 20 2022 popular science aug 25 2020

lamborghini tractor service workshop and owner s - Jul 16 2023

web parts catalog and service manual for lamborghini tractor diesel engine compressor construction and road mining equip agro techics

lamborghini tractor 854 operators manual original - Nov 27 2021

[lamborghini r 854 spare parts catalog agri parts manuals and](#) - Dec 09 2022

web join now to view all forums and get fast answers to any tractor questions login with google register with e mail forums
lamborghini 854 owner pages always

parts catalog and service manual for lamborghini tractor - Jun 15 2023

web this operators manual gives information on the operation the lubrication maintenance and safety aspects includes
illustrations and diagrams to lamborghini tractor 854

laamborghini model list - May 02 2022

web service manual tractor lamborghini 854 nama truk di jalan enggak cuma tronton ada juga trintin dan otomotif Kompas
com may 09 2023 nama truk di jalan enggak

[lamborghini tractor manuals service manuals](#) - Sep 18 2023

web lamborghini tractor r955 955dt r1056 1056dt r1256 1256dt workshop service manual 37 99 at agrimanuals we supply
manuals for all makes of tractors and farm

[tractordata.com lamborghini 854 tractor information](#) - Aug 17 2023

web lamborghini 854 overview engine transmission dimensions photos 1976 1985 2000 2021 tractordata.com notice every
attempt is made to ensure the data listed is

service manual tractor lamborghini 854 pdf filemanager gstv - Sep 06 2022

web lamborghini 854 tractor engine 2000 2021 tractordata.com notice every attempt is made to ensure the data listed is
accurate

service manual tractor lamborghini 854 copy - Aug 05 2022

web jan 8 2019 agricultural all brand service part manual lamborghini lamborghini tractor r854 parts catalog html hot
lamborghini tractor r 854 parts catalog

lamborghini tractor r854 parts catalog auto repair manual - Jun 03 2022

web over 100 of the top models including the vintage porsche lamborghini and viper tractors of the world nov 06 2020
tractors of the world is a comprehensive guide to

lamborghini tractor 854 operators manual digiagrimanuals.com - Apr 13 2023

web lamborghini provided us with the latest version of its 854 service repair manual find all mechanical and electrical parts
and accessories of lamborghini 854 farm tractor here

lamborghini tractor 854 brochure agrimanuals.com - Oct 27 2021

respiration and excretion guided and study pearson karen c - May 11 2023

web respiration and excretion guided and study pearson this is likewise one of the factors by obtaining the soft documents of this respiration and excretion guided and study pearson by online you might not require more era to spend to go to the book inauguration as with ease as search for them in some cases

[pearson education respiration and excretion wrbb neu edu](#) - Oct 04 2022

web we meet the expense of pearson education respiration and excretion and numerous books collections from fictions to scientific research in any way in the midst of them is this pearson education respiration and excretion that can be your partner pearson education respiration and excretion 2020 05 18 parsons moreno

[respiration and excretion the respiratory system](#) - May 31 2022

web respiratory system functions 1 circle the letter of each sentence that is true about the air you breathe a the air you breathe is part of the earth s atmosphere the blanket of gases surrounds earth b oxygen makes up about 78 percent of the gases in the atmosphere c your body uses all of the air that you breathe into your lungs d

respiration and excretion guided and study pearson bruce j - Jul 13 2023

web jan 15 2023 meet the expense of respiration and excretion guided and study pearson and numerous book collections from fictions to scientific research in any way in the course of them is this respiration and excretion guided and study pearson that can be your partner pearson etext campbell essential biology with physiology access

[respiration digestion and excretion questions all grades](#) - Jan 27 2022

web respiration digestion and excretion questions all grades you can create printable tests and worksheets from these respiration digestion and excretion questions select one or more questions using the checkboxes above each question

[life science test respiration and excretion teachervision](#) - Nov 05 2022

web life science test respiration and excretion this science exam uses multiple choice and written response questions to test students knowledge and understanding of the human respiratory and excretory systems

[respiration and excretion guided study pearson leila](#) - Feb 08 2023

web jan 14 2023 we give respiration and excretion guided study pearson and numerous ebook collections from fictions to scientific research in any way among them is this respiration and excretion guided study pearson that can be your partner pediatric critical care study guide steven e lucking 2012 04 12

respiration and excretion guided and study pearson pdf - Jan 07 2023

web respiration and excretion guided and study pearson 2 13 downloaded from uniport edu ng on may 14 2023 by guest education report the text s unique bioskills section is now placed after chapter 1 to help students develop key skills needed to become a scientist new making models boxes guide learners in interpreting and

respiration and excretion guided and study pearson copy - Apr 29 2022

web mar 23 2023 respiration and excretion guided and study pearson is available in our digital library an online access to it is set as public so you can get it instantly our digital library hosts in multiple countries allowing you to get the most less latency time to download any of our books like this one

respiration and excretion guided and study pearson pdf - Mar 09 2023

web respiration and excretion guided and study pearson is manageable in our digital library an online entrance to it is set as public so you can download it instantly

respiration and excretion guided study pearson nabu - Sep 03 2022

web enter your keywords about us about us partners our staff free vacancies program for the study and **pearson** - Aug 14 2023

web pearson

mr exham igcse respiration ppt slideshare - Jul 01 2022

web jul 8 2013 download to read offline education technology health medicine this is a presentation designed to help explain the section of the edexcel igcse biology course about respiration for more help with igcse biology please visit mrexham com mrexham follow teacher of biology at fettes college

respiration and excretion guided and study pearson pdf mark - Dec 06 2022

web jun 5 2023 students studying these health related disciplines fit to run phillip pearson 2014 05 31 fit to run the complete guide to injury free running has been written to help runners avoid the kinds of injuries that disrupt training schedules and plague careers aimed at everyone from the complete beginner to the experienced club runner

respiration and excretion guided study pearson pittsburgh - Feb 25 2022

web usage makes the respiration and excretion guided study leading in experience you can find out the pretentiousness of you to make proper confirmation of reading style

respiration and excretion the excretory system livingston - Apr 10 2023

web guided reading and study the excretory system this section explains how the parts of the excretory system work use target reading skills before you read preview the figure how the kidneys filter wastes in your textbook then write two questions that you have about the diagram in the graphic organizer below as you read answer your question q

pearson education respiration and excretion - Mar 29 2022

web westerville city schools chapter 1 an introduction to anatomy and physiology 23 circulation and respiration wps aw com chapter 4 respiration and excretion flashcards quizlet respiration and excretion guided reading and study smoking respiration amp excretion chapter 5 test that quiz

winston salem forsyth county schools front page - Aug 02 2022

web winston salem forsyth county schools front page

respiration and excretion guided and study pearson pdf - Jun 12 2023

web the ultimate review guide for the crt exam certified respiratory therapist exam review guide is a comprehensive study guide for respiratory therapy students and graduates of accredited respiratory therapy education programs who are seeking to take the entry level certified respiratory

respiration and excretion guided and study pearson pdf - Sep 15 2023

web respiration and excretion guided and study pearson 2 downloaded from smcapproved com on 2022 09 06 by guest
optimizing variant specific therapeutic sars cov 2 decoys using nature com assessing the potential climate impact of anaesthetic gases the lancet multimorbidity and complex multimorbidity in brazilians with severe