

Estimated Grade Boundaries for Edexcel GCSE Mathematics - Foundation

Paper 1

Grade	1	2	3	4	5
Marks needed out of 60	9	20	31	43	54
Percentage	15%	33%	52%	72%	90%

Paper 2

Grade	1	2	3	4	5
Marks needed out of 60	9	20	32	44	55
Percentage	15%	33%	53%	73%	92%

Paper 3

Grade	1	2	3	4	5
Marks needed out of 100	10	21	32	43	55
Percentage	10%	21%	32%	43%	55%

Please be aware that the grade boundaries shown in this resource are for indicative purposes only. They are based on an average of grade boundaries from previous years and are subject to change. All marks and percentages have been rounded to the nearest whole number.

Estimated Grade Boundaries for Edexcel GCSE Mathematics - Higher

Grade	6	7	8	9
Marks needed out of 60	21	40	53	64
Percentage	35%	67%	88%	100%

Grade	6	7	8	9
Marks needed out of 60	24	40	55	66
Percentage	40%	67%	92%	110%

Grade	6	7	8	9
Marks needed out of 100	33	42	53	64
Percentage	33%	42%	53%	64%

Please be aware that the grade boundaries shown in this resource are for indicative purposes only. They are based on an average of grade boundaries from previous years and are subject to change. All marks and percentages have been rounded to the nearest whole number.



Grade Boundaries 2015 Maths

JL Elias



Grade Boundaries 2015 Maths:

Reviewing **Grade Boundaries 2015 Maths**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Grade Boundaries 2015 Maths**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

https://staging.conocer.cide.edu/book/Resources/index.jsp/Industrial_Relations_The_Origins_And_Patterns_Of_National_Diversity.pdf

Table of Contents Grade Boundaries 2015 Maths

1. Understanding the eBook Grade Boundaries 2015 Maths
 - The Rise of Digital Reading Grade Boundaries 2015 Maths
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade Boundaries 2015 Maths
 - 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 Grade Boundaries 2015 Maths
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade Boundaries 2015 Maths
 - Personalized Recommendations
 - Grade Boundaries 2015 Maths User Reviews and Ratings

- Grade Boundaries 2015 Maths and Bestseller Lists
- 5. Accessing Grade Boundaries 2015 Maths Free and Paid eBooks
 - Grade Boundaries 2015 Maths Public Domain eBooks
 - Grade Boundaries 2015 Maths eBook Subscription Services
 - Grade Boundaries 2015 Maths Budget-Friendly Options
- 6. Navigating Grade Boundaries 2015 Maths eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade Boundaries 2015 Maths Compatibility with Devices
 - Grade Boundaries 2015 Maths Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade Boundaries 2015 Maths
 - Highlighting and Note-Taking Grade Boundaries 2015 Maths
 - Interactive Elements Grade Boundaries 2015 Maths
- 8. Staying Engaged with Grade Boundaries 2015 Maths
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade Boundaries 2015 Maths
- 9. Balancing eBooks and Physical Books Grade Boundaries 2015 Maths
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade Boundaries 2015 Maths
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Grade Boundaries 2015 Maths
 - Setting Reading Goals Grade Boundaries 2015 Maths
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade Boundaries 2015 Maths
 - Fact-Checking eBook Content of Grade Boundaries 2015 Maths
 - 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

Grade Boundaries 2015 Maths Introduction

In today's digital age, the availability of Grade Boundaries 2015 Maths books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Grade Boundaries 2015 Maths books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Grade Boundaries 2015 Maths books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Grade Boundaries 2015 Maths versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Grade Boundaries 2015 Maths books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Grade Boundaries 2015 Maths books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Grade Boundaries 2015 Maths books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public.

Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Grade Boundaries 2015 Maths books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Grade Boundaries 2015 Maths books and manuals for download and embark on your journey of knowledge?

FAQs About Grade Boundaries 2015 Maths Books

1. Where can I buy Grade Boundaries 2015 Maths 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 Grade Boundaries 2015 Maths 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 Grade Boundaries 2015 Maths 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 Grade Boundaries 2015 Maths 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 Grade Boundaries 2015 Maths books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Grade Boundaries 2015 Maths :

~~industrial relations the origins and patterns of national diversity~~

~~infortunes de la raison~~

infrared and millimeter waves volume 15 millimeter components and techniques part vi

information revolution and developing countries the

~~information architects~~

industrial dynamics students edition

information systems for integrated regional planning

industrial entrepreneurship

~~industrial robots and robotics~~

industrial project management

information systems management principles in action and management practice in action

industrial hygiene aspects of plant operations

infinitude poems

~~information and legislative organization~~

infrared & millimeter waves volume 2 instrum

Grade Boundaries 2015 Maths :

come il veleno scaricare pdf epub e audiolibro gratis z library - May 12 2023

web leggi come il veleno un coinvolgente romanzo psicologico che tiene con il fiato sospeso fino all ultima riga e all ultimo segreto di serena mcleen disponibile su rakuten

veleno wikipedia - Feb 09 2023

web 1 dare il veleno a una persona uccidere col veleno nel rifl ingerire sostanze venefiche per errore o con l intenzione di suicidarsi ha le due bottiglie ed è mancato poco che

veleno la storia vera dei diavoli della bassa - Oct 05 2022

web fig a sentimento che cova internamente rodendo l animo di chi ne soffre o che tende insidiosamente a danneggiare chi ne è l oggetto il v dell odio dell invidia il v della

serena mcleen come il veleno 2017 eureka - Sep 23 2021

come il veleno un coinvolgente romanzo psicologico che tiene - Jul 14 2023

web 1959 1965 a parigi linda sembra rinascere conosce l affetto degli zii stringe un forte legame d amicizia con la cugina anna e impara a dipingere una passione che l aveva

quanto tempo impiega il veleno per topi a funzionare efficaci - Dec 27 2021

web un giorno mentre sta giocando a nascondino con le sue cugine anna e chiara assiste per caso a una strana scena tra i suoi genitori il padre sta piangendo e la madre

5 veleni fatali famosi best5 it - Jan 28 2022

web mar 29 2023 il veleno per topi è una delle sostanze tossiche più comuni che possono danneggiare il tuo compagno a quattro zampe i sintomi di avvelenamento del cane

veleno definizioni etimologia e citazioni nel vocabolario - Dec 07 2022

web veleno qualsiasi sostanza che per le sue proprietà è capace di provocare un danno biologico lesioni strutturali diffuse o circoscritte reversibili o permanenti a insorgenza

cane avvelenato quali sono i sintomi del mangiare veleno per - Oct 25 2021

come nel passato si è usato il veleno per uccidere focus it - Mar 30 2022

web feb 3 2023 ora che sai quanto tempo impiega il veleno per topi a funzionare diamo un'occhiata ai tipi di veleno per topi disponibili oggi sul mercato tipi di veleno per topi

veléno in vocabolario treccani - Jul 02 2022

web feb 5 2022 ma subito dopo con la nascita e il rafforzamento degli stati nazionali nei quali inizia a delinearsi lo stato di diritto il potente che voleva sbarazzarsi di un nemico non

pdf epub come il veleno serena mcleen gratis - Aug 15 2023

web scarica l'ebook estate 1956 linda è una bambina di 10 anni unica figlia di due facoltosi viticoltori che abitano in una grande villa sulle colline veronesi

veleni in enciclopedia italiana treccani - Aug 03 2022

web i medici pongono domande per capire quale sia il veleno e quanto ne sia stato ingerito in che modo viene trattato l'avvelenamento la maggior parte delle persone che

come il veleno mcleen serena amazon it libri - Jun 13 2023

web come il veleno è un ebook di mcleen serena pubblicato da serena mcleen a 4 99 il file è in formato epub2 con adobe drm risparmio online con le offerte ibs

arsenico co polizia di stato - Feb 26 2022

web sep 15 2023 questa guida ti guiderà attraverso ogni passaggio in modo da poter eliminare il problema il più rapidamente possibile come usare il veleno per topi sono disponibili

come il veleno ebook by serena mcleen rakuten kobo - Mar 10 2023

web translations in context of come il veleno in italian english from reverse context si rompe la pelle si diffonde come il veleno

veleno mortale la storia di come funziona il veleno info cafe - Jun 01 2022

web come veleno conobbe una grande diffusione nel rinascimento tanto da essere chiamata la polvere degli eredi nell'avvelenamento per ingestione i sintomi insorgono nel giro di

veleno nell'enciclopedia treccani - Sep 04 2022

web jan 23 2021 lo studio del veleno ha fatto progressi tali che ora abbiamo una comprensione dettagliata di cosa c'è nel veleno e come funzionano le tossine che lo

veleno in sinonimi e contrari treccani - Nov 06 2022

web in linea molto generale si può dire che tra i veleni penetrati nell'organismo e venuti a contatto con i diversi elementi di esso cellule vasi tessuti organi e più specialmente

translation of come il veleno in english reverse context - Jan 08 2023

web veleno veléno poet venéno s m lat venēnum prob affine a venus venire e quindi con il senso originario di filtro amoroso 1 a sostanza di origine esogena che

i fatti in breve panoramica sull avvelenamento msd manuals - Apr 30 2022

web la sostanza comunemente usata come veleno è l arsenico bianco triossido arsenioso chiamata anche la polvere degli eredi la dose tossica per l uomo è di 10 50 mg e la

come usare il veleno per topi quando dove e come - Nov 25 2021

come il veleno mcleen serena ebook epub2 con adobe - Apr 11 2023

web per veleno si intende una sostanza che assunta da un organismo vivente ha effetti dannosi temporanei o permanenti fino a essere letali attraverso un meccanismo

red roses lindop christine author free - Oct 08 2023

web jan 1 2007 3 69 298 ratings30 reviews this award winning collection of adapted classic literature and original stories develops reading skills for low beginning through advanced

sally s phone lindop christine free download - Sep 07 2023

web showing 30 distinct works previous 1 2 3 next sort by previous 1 2 3 next note these are all the books on goodreads for this author to add more books click here

red roses by christine lindop read online on bookmate - Jun 04 2023

web these new self access readers provide students with a wide range of motivating material from which to choose from magazine newspaper and book extracts to instructions

christine lindop librarything - Jun 23 2022

web jul 5 2012 24symbols is a digital reading subscription service in exchange for a small monthly fee you can download and enjoy reading from our complete catalogue of

books by christine lindop lovreading - Dec 18 2021

ned kelly a true story by christine lindop open library - Jul 25 2022

web christine lindop oxford university press 2005 readers elementary 18 pages this interactive series makes developing language skills exciting for primary stories and

christine lindop books and biography waterstones - Jan 19 2022

web to read this ebook on a mobile device phone or tablet you ll need to install one of these free apps ebook reader

recommended pocketbook ios android bluefire reader

green planet christine lindop google books - Aug 26 2022

web christine lindop author division christine lindop is currently considered a single author if one or more works are by a distinct homonymous authors go ahead and split

red roses by christine lindop goodreads - Aug 06 2023

web a starter level oxford bookworms library graded reader written for learners of english by christine lindop who is the man with the roses in his hand thinks anna i want to

new girl in school dolphin readers level 3 ebooks com - Nov 16 2021

books by christine lindop author of red roses goodreads - Jul 05 2023

web sep 13 2008 created by an anonymous user initial import author of doors to a wider place the long white cloud sally s phone dolphin readers level 1 discover britain

william and kate by christine lindop read online on bookmate - Sep 26 2022

web feb 28 2023 created by importbot imported from library of congress marc record ned kelly a true story by christine lindop 2008 oxford university press edition in

red roses starter level oxford bookworms library 3rd ed - Nov 28 2022

web read william and kate by christine lindop online on bookmate a level 1 oxford bookworms library graded reader written for learners of english by christine lindop

dolphin readers 1 jack the hero christine lindop google books - May 23 2022

web mar 2 2021 imported from better world books record skateboarder by christine lindop 2012 oxford university press edition in english

christine lindop books biography and list of works biblio - Feb 17 2022

web view books by christine lindop on lovreading the uk s number one book recommendation website

christine lindop open library - May 03 2023

web read reviews from the world s largest community for readers these new self access readers provide students with a wide range of motivating material from w fortune for

christine lindop ebooks ebooks com - Oct 28 2022

web but how green is our planet today from nuclear power plants to nemo the clownfish from polar bears to pesticides from greenpeace to global warming this book brings together

fortune for free and other pieces google books - Apr 02 2023

web she has also adapted goldfish stage 3 and two volumes of world stories the long white cloud stories from new zealand stage 3 and doors to a wider place stories from

the skateboarder read book online 24symbols - Apr 21 2022

web free shipping save 10 on every purchase gift certificates rare books rare books book value textbooks textbooks sell textbooks textbooks for schools

fortune for free and other pieces by christine lindop goodreads - Mar 01 2023

web with oxford university press christine has worked extensively on the oxford bookworms library and is the series editor for oxford bookworms factfiles her original titles include

christine lindop author of red roses goodreads - Jan 31 2023

web a starter level oxford bookworms library graded reader written for learners of english by christine lindop who is the man with the roses in his hand thinks anna i want to

skateboarder by christine lindop open library - Mar 21 2022

web fortune for free readers and christine lindop 3 80 paperback page prev of 2 next explore books by christine lindop with our selection at waterstones com click

christine lindop oxford university press - Dec 30 2022

web christine lindop ebooks buy christine lindop ebooks to read online or download in pdf or epub on your pc tablet or mobile device

airbus support equipment summary introduction - Jan 28 2022

web airbus support equipment summary introduction 1 general the support equipment summary is intended as a guide and a reference for operators concerned with support equipment and tools for aircraft servicing maintenance and shop overhaul of system and structure components 2

airbus tool capability list 2020 03 27 satair - Apr 30 2022

web o Ç v o Ç v

tools ground support equipment h145 ec145 family airbus - May 12 2023

web user guide towing mooring and immobilization tools containers and cases safety and security equipment extractors guides and calibrated wrenches testing measurement and maintenance tools benches services and maintenance benches please note that depending on the catalog version all the tool families may not be necessarily applicable

tool equipment bulletin no teb 21630si1 1 i avionteq - Oct 05 2022

web apr 2 2019 description this tool is used to perform tests on arinc429 tool status n a note cage code vendor f6614 eca group aerospace division for more information please contact repair vendor airbus com reason for information introduction

detailed description history teb reference

safetyfirst airbus com - Jun 01 2022

web special tools or ground support equipment gse may be required to perform some maintenance tasks airbus provides a list of approved suppliers for gse or tools in the tools and equipment manual tem gse or tools from suppliers that are not listed in the tem may be offered to operators and maintenance organizations as alternatives

volume normal procedures - Dec 27 2021

web airbus x volume 2 normal procedures version 02 01 xx record of revisions revision n issue date description 001 28 aug 2010 release aerosoft airbus x normal procedures vol 2 02 01 2 30 august 2010 cockpit safety inspection pnf duty
tools ground support equipment h135 ec135 family airbus - Apr 11 2023

web with the aim of continuously improving its services airbus helicopters is pleased to present you its new tools ground support equipment commercial catalog this catalog intends to illustrate the suite of specific tools and ground support equipment for o and i

helicopter technical support airbus - Jul 02 2022

web the c rfm computerised rotorcraft flight manual which is available for the h160 via a digital tablet is a fully digital flight manual solution certified by the airworthiness authorities and allows operators to fly in a paperless cockpit it offers a smart access to the flight manual tailored to the customers helicopter configuration

ground support equipment gse maintain airbus aircraft - Feb 09 2023

web line sizing line sizing tool enables b1 or equivalent mechanics to perform damage sizing on a350 monolithic cfrp learn more on store line sizing map combo this combo kit contains line map and line sizing gse learn more

tool recertification capability list airbus - Aug 03 2022

web tool recertification capability list all customer a220 program designated addresses for airbus approved repair shops
hydro systems kg robert koch strasse 23b d 22851 norderstedt glashütte germany hydro systems kg ahfeldstraße 10 d 77781 biberach germany hydro service uk

tools ground support equipment h175 family airbus - Jan 08 2023

web with the aim of continuously improving its services airbus helicopters is pleased to present you its new tools ground support equipment commercial catalog this catalog intends to illustrate the suite of tools and ground support equipment and associated services that

using approved tools and ground support equipment for airbus - Mar 10 2023

web special tools or ground support equipment gse may be required to perform some maintenance tasks airbus provides a list of approved suppliers for gse or tools in the tools and equipment manual tem gse or tools from suppliers that are not

listed in the tem may be offered to operators and maintenance organizations as alternatives

tools ground support equipment ecureuil family airbus - Dec 07 2022

web with the aim of continuously improving its services airbus helicopters is pleased to present you its new tools ground support equipment commercial catalog this catalog intends to illustrate the suite of specific tools and ground support equipment for o and i

airbus drawing services general information - Nov 06 2022

web tool equipment drawings ted tool equipment drawings access to airbus sas and vendor tool drawings non proprietary as referred in the tem tool equipment manual vendor tool drawings classified as proprietary part in the tem are not available this application is not granted to mro s and service providers

tools ground support equipment dauphin family airbus - Aug 15 2023

web user guide towing mooring and immobilization tools containers and cases safety and security equipment extractors guides and calibrated wrenches testing measurement and maintenance tools benches services and maintenance benches please note that depending on the catalog version all the tool families may not be necessarily applicable

airbus tool and equipment tronair - Jul 14 2023

web find all the airbus tools aircraft ground support equipment you need for your plane tronair is home to dozens of high quality ground support equipment for various models from the a310 to the a350 browse purchase the

technical publications airbus u s - Sep 04 2022

web the primary publications provided are a flight manual maintenance manuals and procurement and identification manuals parts and tools catalogue these publications cover standard and customized helicopter installations as well as optional equipment

aircraft gse and tools aviationhunt - Feb 26 2022

web jul 31 2022 airbus divides gse into two categories tools standard tools specific tools standard gse standard tools are hand tools such as spanners sockets gauges torque wrenches the specifications size range capacity accuracy are given in the related aircraft maintenance manual amm task to let operators use the tool brand of

airbus - Jun 13 2023

web the purpose of the ses is to list all tools which are called up in the airbus and vendor documentation the summary is divided into chapters sections as defined in the ata 100 specification srm structural repair manual tem tool and equipment manual 11 tpsup technical publication supplier for documentation support equipment

aircraft characteristics airport and maintenance planning ac airbus - Mar 30 2022

web airbus s a s customer services technical data support and services 31707 blagnac cedex france issue sep 30 85 rev dec

01 20 a320 aircraft characteristics airport and maintenance planning highlights revision no 39 dec 01 20 locations chg code descriptions of change