

SCOPE, LIMITATIONS, and DELIMITATIONS

By Marilyn K. Simon and Jim Goes

Includes excerpts from Simon & Goes (2013), *Dissertation and Scholarly Research: Recipes for Success*. Seattle, WA: Dissertation Success LLC

Find this and many other dissertation guides and resources at
www.dissertationrecipes.com

Scope

The scope of the study refers to the parameters under which the study will be operating. The problem you seek to resolve will fit within certain parameters. Think of the scope as the domain of your research—what's in the domain, and what is not. You need to make it as clear as possible what you will be studying and what factors are within the accepted range of your study. For example, if you are studying the ill effects of bullying on middle school children, the scope could include both face-to-face bullying and cyber-bullying in grades 6 through 8.

Limitations

Limitations are matters and occurrences that arise in a study which are out of the researcher's control. They limit the extensivity to which a study can go, and sometimes affect the end result and conclusions that can be drawn. Every study, no matter how well it is conducted and constructed, has limitations. This is one of the reasons why we do not use the words "prove" and "disprove" with respect to research findings. It is always possible that future research may cast doubt on the validity of any hypothesis or conclusion from a study. Your study might have access to only certain people in an organization, certain documents, and certain data. These are limitations. Subsequent studies may overcome these limitations.

Limitations of Qualitative Studies

A limitation associated with qualitative study is related to validity and reliability. "Because qualitative research occurs in the natural setting it is extremely difficult to replicate studies" (Wiersma, 2000, p. 211). When you select certain methodologies and designs, for example phenomenology, they come with limitations over which you may have little control.

Scope Limitations And Delimitations

Judd E. Hollander



Scope Limitations And Delimitations:

Embark on a transformative journey with Explore the World with is captivating work, Grab Your Copy of **Scope Limitations And Delimitations** . This enlightening ebook, available for download in a convenient PDF format Download in PDF: , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

https://wwwnew.greenfirefarms.com/About/uploaded-files/HomePages/How_To_Use_Ai_Tools_For_Students_For_Creators_11442.pdf

Table of Contents Scope Limitations And Delimitations

1. Understanding the eBook Scope Limitations And Delimitations
 - The Rise of Digital Reading Scope Limitations And Delimitations
 - Advantages of eBooks Over Traditional Books
2. Identifying Scope Limitations And Delimitations
 - 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 Scope Limitations And Delimitations
 - User-Friendly Interface
4. Exploring eBook Recommendations from Scope Limitations And Delimitations
 - Personalized Recommendations
 - Scope Limitations And Delimitations User Reviews and Ratings
 - Scope Limitations And Delimitations and Bestseller Lists
5. Accessing Scope Limitations And Delimitations Free and Paid eBooks
 - Scope Limitations And Delimitations Public Domain eBooks
 - Scope Limitations And Delimitations eBook Subscription Services

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

Scope Limitations And Delimitations Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Scope Limitations And Delimitations free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Scope Limitations And Delimitations free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Scope Limitations And Delimitations free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Scope Limitations And Delimitations. In conclusion,

the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Scope Limitations And Delimitations any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Scope Limitations And Delimitations Books

What is a Scope Limitations And Delimitations PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Scope Limitations And Delimitations PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Scope Limitations And Delimitations PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Scope Limitations And Delimitations PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Scope Limitations And Delimitations PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these

restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Scope Limitations And Delimitations :

how to use ai tools for students for creators 11442

what is us national parks full tutorial for students 10090

how to use sleep hygiene tips full tutorial for students 10460

~~trending ai video generator ideas for experts 10533~~

~~top ai image generator for creators for workers 11009~~

how to capsule wardrobe for small business for creators 10016

simple gut health foods explained for beginners 10696

top ai image generator ideas for experts 11718

simple credit score improvement full tutorial for workers 11598

how to start capsule wardrobe for moms for workers 11544

how to use cheap flights usa 2025 for creators 10309

ultimate sleep hygiene tips online for experts 11419

what is budgeting tips ideas for beginners 11545

affordable anti inflammatory diet tips for experts 10836

how to start credit score improvement for moms 11502

Scope Limitations And Delimitations :

amazon co jp ed rosenthal s big buds 2010 calendar □□□□ - Jan 12 2023

web dec 1 2009 amazon co jp ed rosenthal s big buds 2010 calendar rosenthal ed office products

ed rosenthal s big buds 2011 calendar amazon com be - Sep 08 2022

web select the department you want to search in

ed rosenthal s big buds calendar calendar 2010 ed - Mar 14 2023

web marijuana maven ed rosenthal brings another new cannabis calendar to the wild weed s many fans each month features a spectacular portrait by a world class photographer of a different marijuana varietal in full vibrant flower

the big book of buds ed rosenthal free download borrow - Jun 05 2022

web the big book of buds by ed rosenthal publication date 2001 topics cannabis marijuana publisher quick american archives collection inlibrary printdisabled internetarchivebooks openlibrary edition ol24912356m openlibrary work ol16008562w page number confidence 87 33 pages 238 ppi 350 related external id urn isbn

rosenthals big buds marijuana abebooks - Nov 10 2022

web ed rosenthal s big buds 2010 marijuana calendar ed rosenthal published by quick american archives 2009 isbn 10 0932551440 isbn 13 9780932551443

ed rosenthal s big buds 2010 calendar amazon com au - Oct 21 2023

web ed rosenthal s big buds 2010 calendar rosenthal ed on amazon com au free shipping on eligible orders ed rosenthal s big buds 2010 calendar

ed rosenthal s big buds 2010 marijuana calendar amazon com - Sep 20 2023

web dec 1 2009 marijuana maven ed rosenthal brings another new cannabis calendar to the wild weed s many fans each month features a spectacular portrait by a world class photographer of a different marijuana varietal in full vibrant flower

ed rosenthal s big buds 2010 calendar calendar wall calendar - May 16 2023

web amazon in buy ed rosenthal s big buds 2010 calendar book online at best prices in india on amazon in read ed rosenthal s big buds 2010 calendar book reviews author details and more at amazon in free delivery on qualified orders

ed rosenthal s big buds 2006 calendar hardcover - May 04 2022

web publisher quick amer archives 16m wal edition 9 august 2005 language english

ed rosenthal s big buds 2010 calendar calendar ed rosenthal - Apr 15 2023

web buy ed rosenthal s big buds 2010 calendar by ed rosenthal at mighty ape nz marijuana maven ed rosenthal brings another new cannabis calendar to the wild weed s many fans each month features a spectacular portrait

ed rosenthal s big buds 2010 calendar amazon co uk - Jul 18 2023

web buy ed rosenthal s big buds 2010 calendar wal by rosenthal ed isbn 9780932551443 from amazon s book store everyday low prices and free delivery on eligible orders

ed rosenthal s big buds 2011 calendar rosenthal ed - Jul 06 2022

web aug 1 2010 ed rosenthal s big buds 2011 calendar rosenthal ed on amazon com free shipping on qualifying offers ed rosenthal s big buds 2011 calendar

the big book of buds volume 3 ed rosenthal - Mar 02 2022

web big book of buds brings together a tremendous amount of information onthe plant and the newest varieties with specific descriptions on appearance ripening time and growing interspersed throughout are short engaging essays interviews with the breeders and compelling images of the plants

ed rosenthal s big buds 2011 calendar allbookstores com - Oct 09 2022

web aug 1 2010 in addition to standard holidays the calendar also highlights birthdays of celebrity tokers and significant dates in marijuana history and culture such as august 17 1968 when ziploc bags were introduced starting in september 2010 this calendar gives a full 16 months of buds

ed rosenthal s big buds 2010 calendar - Jun 17 2023

web dec 1 2009 marijuana maven ed rosenthal brings another new cannabis calendar to the wild weed s many fans each month features a spectacular portrait by a world class ph

big buds calendar ed rosenthal the guru of ganja blog - Aug 19 2023

web category big book of buds big buds calendar ed rosenthal overgrow the government 2010 big buds 16 month calendar is now available posted by angelabacca on october 28 2009 1 comment

ed rosenthal s big buds 2011 calendar amazon co uk - Aug 07 2022

web buy ed rosenthal s big buds 2011 calendar min wal by rosenthal ed isbn 9780932551924 from amazon s book store everyday low prices and free delivery on eligible orders

ed rosenthal s big buds 2010 calendar by ed rosenthal - Apr 03 2022

web ed rosenthal s big buds 2010 marijuana calendar jeff e scheetz facebook books by ed rosenthal author of marijuana grower s handbook is your pot better for hiking or sex east bay express aa big book epub software downloads quick american archives books from

ed rosenthal s big buds 2010 calendar amazon de - Feb 13 2023

web select the department you want to search in

ed rosenthal s big buds 2010 marijuana calendar - Dec 11 2022

web marijuana maven ed rosenthal brings another new cannabis calendar to the wild weed s many fans each month features a spectacular portrait by a world class photographer of a different marijuana varietal in full vibrant flower the resins look good enough to roll up and the full plant shots are enough to make any garden grow green with envy

basics of nuclear physics and fission institute for - Feb 08 2023

web fission is when an atomic nucleus is divided into smaller nuclei which releases heat energy and produces gamma radiation fusion is when two or more atomic nuclei join

am 25 3 fission and fusion of atomic nuclei henry county - May 31 2022

web mar 10 2023 fission chain reaction the energy harnessed in nuclei is released in nuclear reactions fission is the splitting of a heavy nucleus into lighter nuclei and

nuclear fusion development processes equations facts - Jul 13 2023

web nuclear fusion and nuclear fission are two different types of energy releasing reactions in which energy is released from high powered atomic bonds between the particles within

nuclear fission and fusion ans about nuclear nuclear - Apr 29 2022

web nuclear fusion and nuclear fission are two different types of energy releasing reactions in which energy is released from high powered atomic bonds between the particles within

fission vs fusion what s the difference live science - Dec 26 2021

web sep 10 2023 the energy released in the process of fusion is 3 4 times higher than that of what is released by fission this process is endothermic one class of nuclear weapons

difference between nuclear fission and nuclear fusion - Apr 10 2023

web since energy and mass are equivalent nuclei with higher binding energy per nucleon have a lower atomic weight per nucleon the key to release of nuclear energy from fission of

fission and fusion of atomic nuclei key 2022 iriss ac - Dec 06 2022

web fusing two light nuclei can liberate as much energy as the fission of ^{235}U or ^{239}Pu the fusion of four protons to form a helium nucleus two positrons and two neutrinos for

fission and fusion chemistry libretxts - Feb 25 2022

web nuclear fission is a reaction in which the nucleus of an atom splits into two or more smaller nuclei the fission process often produces gamma photons and releases a

nuclear fission nuclear fission and fusion aqa - May 11 2023

web apr 1 2021 fission and fusion are two physical processes that produce massive amounts of energy from atoms they yield millions of times more energy than other sources

25 3 fission and fusion of atomic nuclei key download only - Aug 02 2022

web jul 14 2022 fusion is the opposite reaction of fission in fusion atoms are fused together for a fusion reaction to occur it is necessary to bring two nuclei so close that

11 9 nuclear fission and nuclear fusion chemistry libretxts - Jun 12 2023

web nuclear fission is the splitting of a large atomic nucleus into smaller nuclei in a nuclear reactor a neutron is absorbed into a nucleus typically uranium 235 this causes the

nuclear fission wikipedia - Nov 24 2021

nuclear fission and nuclear fusion division of chemical - Sep 03 2022

web how do fission reactions and fusion reactions differ vocabulary fission neutron moderation neutron absorption fusion

reading strategy identifying details in the three
nuclear fission introductory chemistry - Oct 24 2021

fission and fusion chemistry socratic - Nov 05 2022

web and fusion of atomic nuclei key a fascinating function of fictional beauty that pulses with fresh feelings lies an unique trip waiting to be embarked upon written by a virtuoso

difference between nuclear fission and nuclear fusion vedantu - Sep 22 2021

7 5 nuclear fission and nuclear fusion chemistry libretxts - Jan 27 2022

web key terms nuclear weapon a weapon that derives its energy from the nuclear reactions of either fission or fusion fusion a nuclear reaction in which nuclei combine to form

fission and fusion what is the difference - Mar 09 2023

web fission and fusion of atomic nuclei key analysis of cancer risks in populations near nuclear facilities nuclear fission and atomic energy fission and fusion from

nuclear fission examples process britannica - Jan 07 2023

web nuclear binding energy the energy required to split a nucleus of an atom into its component parts nucleon one of the subatomic particles of the atomic nucleus i e a

discovery of nuclear fission wikipedia - Mar 29 2022

web jul 9 2021 fission and fusion are both natural atomic processes that release incredible amounts of energy but in many ways they are opposites fission involves the splitting

fission and fusion chemistry libretxts - Jul 01 2022

web fission is a nuclear reaction or radioactive decay process in which the nucleus of an atom splits into two or more smaller lighter nuclei and often other particles the fission

nuclear fusion introductory chemistry - Oct 04 2022

web sep 24 2022 fission and fusion the energy harnessed in nuclei is released in nuclear reactions fission is the splitting of a heavy nucleus into lighter nuclei and fusion is the

22 4 nuclear fission and fusion physics openstax - Aug 14 2023

web in creating energy by combining atomic nuclei the fusion reaction holds many advantages over fission first fusion reactions are more efficient releasing 3 to 4 times more energy than fission per gram of fuel

response similarity analysis lertap5 com - Feb 19 2022

web response similarity analysis rsa involves getting lertap to examine the answers from pairs of students to see if each pair's item responses might be unexpectedly similar this sort of analysis is generally undertaken to see if some students might have colluded in creating their answers something which is often considered to be cheating

question question similarity in online forums request pdf - Nov 30 2022

web dec 6 2018 the problem of matching general unanswered questions with semantically similar answered questions has been well studied in the context of online user forums 7 9 11 27 community qa 8 16 29

review semantic answer similarity for evaluating question - May 05 2023

web there are three similarity classes p n ul dir auto n li dissimilar answers li n li approximately similar answers li n li equivalent answers li n ul n p dir auto a target blank rel noopener noreferrer href github com adrienpayong object detection blob main table1b png img

unit 8 transformations similarity khan academy - Jul 27 2022

web transformations similarity grade 8 math fl b e s t khan academy grade 8 math fl b e s t 9 units 99 skills unit 1 exponents factoring scientific notation unit 2 rational numbers irrational numbers and roots unit 3 equations inequalities unit 4 linear equations slope

pdf learning english and arabic question similarity - Aug 28 2022

web dec 1 2021 pdf in this paper we tackle the task of similar question retrieval qr which is essential for community question answering cqa and aims to find read and cite all the research you need

7 8 sss similarity k12 libretxts - Jun 25 2022

web nov 28 2020 sss similarity theorem by definition two triangles are similar if all their corresponding angles are congruent and their corresponding sides are proportional it is not necessary to check all angles and sides in order to tell if two triangles are similar

congruence similarity cie igcse maths extended paper 2 - Mar 23 2022

web revision notes on multiplication non calc for the cie igcse maths exam designed by the expert teachers at save my exams

re ranking answer selection with similarity aggregation - Apr 04 2023

web request pdf on jul 25 2020 dong chen and others published re ranking answer selection with similarity aggregation find read and cite all the research you need on researchgate

similarity quiz 1 similarity khan academy - Oct 10 2023

web learn for free about math art computer programming economics physics chemistry biology medicine finance history and more khan academy is a nonprofit with the mission of providing a free world class education for anyone anywhere

question similarity in community question answering a - Feb 02 2023

web system of the question similarity re ranking task of semeval 2017 nakov et al 2017 the method is similar to a cosine similarity between the tf idf bag of words of the pair of questions except that it also takes into account word level similarities as a matrix m given x and y as the respective tf idf bag of words for questions q_1 and q_2

congruence and similarity lesson article khan academy - Sep 28 2022

web congruence and similarity lesson google classroom what do congruent and similar mean congruent triangles have both the same shape and the same size in the figure below triangles abc and def are congruent they have the same angle measures and the same side lengths abc def

re ranking answer selection with similarity aggregation - Aug 08 2023

web previous works mainly consider the similarity between answer and question but rarely utilize similarity and dissimilarity relationship in the answers candidate set in this paper we propose a similarity aggregation method to rerank the results produced by different baseline neural networks

python arguments to res similarity function stack overflow - Apr 23 2022

web jan 28 2014 the associated value is a string giving details about the type mismatch at you case you have a function names `res_similarity` that need to take 2 arguments the reason you see 3 and 2 given is because it has also self for example `res_similarity(self, arg1, arg2)` you are passing only 1 parameter `s2` you need to pass one more

semantic answer similarity evaluate question answering - Sep 09 2023

web oct 28 2021 correct answer `jesus christ predicted answer` `reverend robert wilkins` `f1 0.0 sas 0.48` while the predicted answer is not as wrong as it might look at first glance it bears no similarity to the ground truth however `sas` awards it

re ranking answer selection with similarity aggregation - Jun 06 2023

web jul 25 2020 re ranking answer selection with similarity aggregation a similarity aggregation method to rerank the results produced by different baseline neural networks inspired by multi view verification to consider the similarity and dissimilarity relationship in the answers candidate set

[semantic answer similarity for evaluating question answering models](#) - Mar 03 2023

web 2 days ago therefore there is a need for an evaluation metric that is based on semantics instead of pure string similarity in this short paper we present `sas` a cross encoder based metric for the estimation of semantic answer similarity and compare it to seven existing metrics

2108.06130 semantic answer similarity for evaluating question - Jan 01 2023

web aug 13 2021 semantic answer similarity for evaluating question answering models julian risch timo möller julian gutsch malte pietsch the evaluation of question answering models compares ground truth annotations with model predictions

arxiv 2108.06130v3 cs cl 21 oct 2021 - Oct 30 2022

web given a question the ground truth answer is compared to the answer predicted by a model with regard to different similarity metrics currently the most prominent metrics for the evaluation of qa models are exact match em f1 score and top n accuracy all these three metrics rely on string based comparison

question similarity devopedia - Jul 07 2023

web may 3 2021 question similarity is part of a more general nlp task called semantic textual similarity sts sts involves comparing two sentences two paragraphs or even two documents question similarity is also closely related to the task of question answering discussion could you explain question similarity with some examples

similarity meaning theorem examples symbols vaia - May 25 2022

web there are four similarity theorems for triangles angle angle side angle side side side side and right angle hypotenuse side if two triangles are similar their respective sides are of proportionate length for two similar triangles abc and def we write $\Delta abc \sim \Delta def$