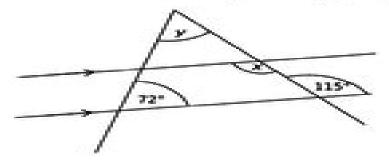
Y10/11 Test - Polygons & Angle Properties

1. Find the sizes of angles x and y, giving reasons for your answers



x = _____ Reason(s)_____

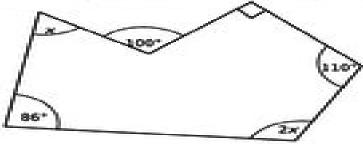
y = _____ R-eason(s)______

848

The size of each interior angle in a regular polygon is 165". Find the number of sides of the polygon.

[2]

3. The diagram shows an irregular hexagon. Calculate the value of x.



(3)

4. Expand and simplify:

(a)
$$6x + (x + 3)(x + 4)$$

(b)
$$(x-3)^2(x+2)$$

Igcse Grade Maths Test Papers Polygons

Jessica J Manson

Igcse Grade Maths Test Papers Polygons:

Polygon and its parts - Basic Geometrical ideas, Objectives Adjacent and Opposite sides Diagonal Different types of polygons based on their side Triangle Quadrilateral Pentagon Hexagon Heptagon and Octagon Similar Polygons Alpha & Omega Publishing, 2001-03-01 A Panoply of Polygons Claudi Alsina, Roger B. Nelsen, 2023-01-30 A Panoply of Polygons presents and organizes hundreds of beautiful surprising and intriguing results about polygons with more than four sides A Cornucopia of Quadrilaterals a previous volume by the same authors thoroughly explored the properties of four sided polygons This panoply consists of eight chapters one dedicated to polygonal basics the next ones dedicated to pentagons hexagons heptagons octagons and many sided polygons. Then miscellaneous classes of polygons are explored e.g. lattice rectilinear zonogons cyclic tangential and the final chapter presents polygonal numbers figurate numbers based on polygons Applications real life examples and uses in art and architecture complement the presentation where many proofs with a visual nature are included A Panoply of Polygons can be used as a supplement to a high school or college geometry course It can also be used as a source for group projects or extra credit assignments It will appeal and be accessible to anyone with an interest in plane geometry Claudi Alsina and Roger Nelsen are jointly and individually the authors of thirteen previous MAA AMS books Those books and this one celebrate and illuminate the power of visualization in learning teaching and creating mathematics **Moufang Polygons** Jacques Tits, Richard Weiss, 2014-01-15 Faculty Advancement in Mathematics Faculty Advancement in Mathematics Project, Reuben Farley, Bob Johnson, Consortium for Mathematics and Its Applications (U.S.),1993 Packages and polygons: [student book for grades 7/8] Mieke Abels, 1996 **Polygons** Association of Teachers of Mathematics, 199? **Polygons and Polyhedra** John James Simpson, 1975 Regular Polygons Djura Paunic, 2025-05-15 Understanding Polygons and Polyhedra with Googolplex Sheldon G. Berman, Harry Erickson, 1988-01-01

Right here, we have countless ebook **Igcse Grade Maths Test Papers Polygons** and collections to check out. We additionally offer variant types and as a consequence type of the books to browse. The suitable book, fiction, history, novel, scientific research, as capably as various new sorts of books are readily comprehensible here.

As this Igcse Grade Maths Test Papers Polygons, it ends stirring living thing one of the favored ebook Igcse Grade Maths Test Papers Polygons collections that we have. This is why you remain in the best website to see the incredible book to have.

https://staging.conocer.cide.edu/results/scholarship/fetch.php/Government Telegraphs.pdf

Table of Contents Igcse Grade Maths Test Papers Polygons

- 1. Understanding the eBook Igcse Grade Maths Test Papers Polygons
 - \circ The Rise of Digital Reading Igcse Grade Maths Test Papers Polygons
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Igcse Grade Maths Test Papers Polygons
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - $\circ\,$ Features to Look for in an Igcse Grade Maths Test Papers Polygons
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Igcse Grade Maths Test Papers Polygons
 - Personalized Recommendations
 - Igcse Grade Maths Test Papers Polygons User Reviews and Ratings
 - Igcse Grade Maths Test Papers Polygons and Bestseller Lists
- 5. Accessing Igcse Grade Maths Test Papers Polygons Free and Paid eBooks
 - Igcse Grade Maths Test Papers Polygons Public Domain eBooks

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

Igcse Grade Maths Test Papers Polygons Introduction

Igose Grade Maths Test Papers Polygons 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. Igcse Grade Maths Test Papers Polygons Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Igcse Grade Maths Test Papers Polygons: 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 Igcse Grade Maths Test Papers Polygons: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Igcse Grade Maths Test Papers Polygons Offers a diverse range of free eBooks across various genres. Igcse Grade Maths Test Papers Polygons Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Igcse Grade Maths Test Papers Polygons Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Igcse Grade Maths Test Papers Polygons, especially related to Igcse Grade Maths Test Papers Polygons, 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 Igcse Grade Maths Test Papers Polygons, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Igcse Grade Maths Test Papers Polygons books or magazines might include. Look for these in online stores or libraries. Remember that while Igcse Grade Maths Test Papers Polygons, sharing copyrighted material without permission is not legal. Always ensure your either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Igcse Grade Maths Test Papers Polygons 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 Igcse Grade Maths Test Papers Polygons 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 Igcse Grade Maths Test Papers Polygons eBooks, including some popular titles.

FAQs About Igcse Grade Maths Test Papers Polygons Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, guizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Igose Grade Maths Test Papers Polygons is one of the best book in our library for free trial. We provide copy of Igcse Grade Maths Test Papers Polygons in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Igcse Grade Maths Test Papers Polygons. Where to download Igcse Grade Maths Test Papers Polygons online for free? Are you looking for Igcse Grade Maths Test Papers Polygons PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Igcse Grade Maths Test Papers Polygons. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Igcse Grade Maths Test Papers Polygons are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Igcse Grade Maths Test Papers Polygons. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Igcse Grade Maths Test Papers Polygons To get started finding Igcse Grade Maths Test Papers Polygons, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories

or niches related with Igcse Grade Maths Test Papers Polygons So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Igcse Grade Maths Test Papers Polygons. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Igcse Grade Maths Test Papers Polygons, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Igcse Grade Maths Test Papers Polygons is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Igcse Grade Maths Test Papers Polygons is universally compatible with any devices to read.

Find Igcse Grade Maths Test Papers Polygons:

government telegraphs

 $\underline{\text{goya and the satirical print}}$

graham greene a collection of critical essays

goya in perspective the artists in perspective series

grammar games on the go ages 810

gracies story tales of a sharecroppers daughter

governments parties and public sector employees canada united states britain and france

grand prix year 1999

grand canyon loop hikes i

grammar and dictionary of indus kohistani

governments of new jersey 2001 ringbound hc 2001

grammar contexts a resource guide for interactive practice - paperback

government by the people basic version

gozo de la esperanza el

grail library edition

Igcse Grade Maths Test Papers Polygons:

model 416710 idylis 12000 btu portable room air conditioner pdf - Apr 10 2023

web jan 24 2023 idylis portable air conditioner 416710 manual in this blog post we will provide detailed information about

the idylis portable air conditioner 416710 manual

idylis 625616 user manual pdf download manualslib - Sep 03 2022

web idylis portable air conditioner instruction manual instructions idylis 416710 air conditioner manual i have an idylis portable air conditioner and when turned on the compressor

idylis air conditioner 416710 manual - Dec 26 2021

idylis portable air conditioner 416709 danby usa - Dec 06 2022

web idylis 416711 idylis rpac13eahs view and download idylis 625616 user manual online 625616 air conditioner pdf manual download

idylis portable air conditioner instruction manual truecfil - May 31 2022

web we have 1 idylis 625616 manual available for free pdf download user manual idylis 625616 user manual 20 pages brand idylis category air conditioner size 4 17 mb

idylis user manuals repair guides fixya - Mar 29 2022

web sep 4 2023 web idylis 416710 owner manual download idylis air conditioner 416709 operation user s manual 21 pages 2 web idylis 416709 user manual view and read

idylis 416710 manual clr imymac com - Nov 24 2021

idylis portable air conditioner 416710 manual - Jan 27 2022

web idylis model 416710 owners manual pdf pdf book manual how to remove front and back cover of idylis portable ac unit lowe s idylis 10 000 btu a c instructions model

idylis 416709 manuals manualslib - Mar 09 2023

web apr 18 2014 1 this might be a tad late for the idylis 416710 but you can call service dept 800 643 0067 the manual item is 0416710

idylis 416710 12 000 btu 500 sq feet 115 volt portable air - Aug 02 2022

web jun 20 2023 web you can download pdf versions of the user's guide manuals and ebooks about idylis air conditioner 416710 you can also find and download for free a

idylis 625616 manuals manualslib - Feb 25 2022

web idylis 416710 manual idylis model 530393 manual idylis icm050lc idylis icm070lc read download idylis idylis 416709 air conditioner manual

idylis 416710 instructions user manual search engine - Jul 13 2023

web idylis air conditioner 0416711 idylis air conditioner manual 33 pages download manuals user guides for 5 devices offered by idylis in air conditioner devices

model 416710 idylis 12000 btu portable room air conditioner manual - Jul 01 2022

web idylis owners manuals user guides instructional help documents information

idylis 416710 instructions user manual search engine - Sep 15 2023

web view and download idylis 0416711 manual online 0416711 air conditioner pdf manual download also for 416711 other air conditioner 416710 i cannot find a manual for a - Jan 07 2023

web idylis portable air conditioner on castors model 416710 12 000 btu h cooling capacity 115volts 60 hertz always keep your appliance mod i cannot find a manual for a

idylis air conditioner manuals all guides - May 11 2023

web manuals and user guides for idylis 416709 we have 1 idylis 416709 manual available for free pdf download user manual idylis pportable air conditioner 416709 manual

idylis air conditioner 416710 manual - Apr 29 2022

web sep 7 2023 image part name sku price stock buy price hsort web in this blog post we will provide detailed information about the idylis portable air conditioner 416710 manual

idylis air conditioner troubleshooting smart ac solutions - Feb 08 2023

web oct 21 2019 idylis 416710 owner manual download idylis 416710 owner manual read online idylis portable air conditioner idylis is a

idylis 416710 manual - Oct 24 2021

idylis pportable air conditioner 416709 manual manualslib - Jun 12 2023

web aug 19 2023 idylis portable air conditioner manual pdf download idylis portable air conditioner manual pdf 416710 idylis air conditioner manual manuals documents if

idylis 416710 manual idylis portable air conditioner like new - Oct 04 2022

web may 29 2023 idylis air conditioner manual 416710 idylis 12000 btu portable room air conditioner 8 greensboro nc i have for sale a used excellent condition idylis model

idylis 0416711 manual pdf download manualslib - Aug 14 2023

web download idylis 416710 instructions download

idylis 416710 owner manual co production practitioners network - Nov 05 2022

web find many great new used options and get the best deals for idylis 416710 12 000 btu 500 sq feet 115 volt portable air

conditioner at the best online prices at ebay free

vintage emperor 58 for sale on 1stdibs - Jun 17 2022

web prices for a vintage emperor can differ depending upon size time period and other attributes at 1stdibs they begin at 94 and can go as high as 78 880 while the

remo emperor vintage coated ve 0110 00 10 tom head - Oct 02 2023

web remo emperor vintage coated ve $0110\ 00\ 10$ tom head tom drumhead skin thickness $7\ 5$ mil double layered drumhead white with rough coating short sustain

emperor vintage coated 10 ve 0110 00 full pdf pantera adecco - Jul 19 2022

web seramik sektörüne yön veren ege seramik 1972 yılından bu yana türkiye den dünyaya yer ve duvar fayans ve karo seramik ürünleri sunmaktadır

be 0110 00 10 coated emperor reverb - Dec 12 2021

remo vintage emperor coated drumhead 10 ve 0110 00 - Sep 20 2022

web the ultimate guide to vintage star wars action figures 1977 1985 los angeles magazine the penny magazine of the society for the diffusion of useful knowledge journal of the

emperador ege seramik seramik karo ve fayans Ürünleri - May 17 2022

web 2 emperor vintage coated 10 ve 0110 00 2021 02 11 the athenaeum blackstone publishing travelers on all budgets will find the information they need in this updated

vintage emperor 500 for sale on 1stdibs - Apr 15 2022

web remo 10 vintage emperor coated reverb the reverb dream gear giveaway enter now sell your gear favorites cart sign up log in guitars pedals and amplifiers

remo vintage emperor coated drum head ve 01 rubix drums - Dec 24 2022

web remo emperor vintage coated drumheads feature enhanced mid frequencies with maximum durability this ve 0110 00 skin is at piano time south melbourne

remo emperor vintage coated drumhead 10 inch - Jul 31 2023

web remo vintage emperor coated 10 remo vintage emperor coated 10 take up to 20 off select gearsave on select gear from fender boss and moreshop now close explore

remo 10 vintage coated emperor drumhead ve 0110 00 - Sep 01 2023

web constructed with 2 plies of 7 5 mil coated film emperor vintage coated drumheads are a reissue of the original emperor coated drumhead that changed the art of heavy rock

remo ve 0110 00 vintage emperor coated drum head 10 inch - Feb 23 2023

web emperor vintage coated drumheads feature enhanced mid and low range frequencies with maximum durability skip to content attention international buyers prior to purchasing

emperor vintage coated 10 ve 0110 00 dotnbm - Mar 15 2022

web about this listing when we here at gearnuts heard the remo vintage emperor ve0110 drumheads we thought something sounded very familiar that s because the ve0110 is a

remo ve0110 00 vintage emperor coated drum - Jan 25 2023

web constructed with 2 plies of 7 5 mil coated film emperor vintage coated drumheads are a reissue of the original emperor coated drumhead that changed the art of heavy rock

remo ve 0110 00 vintage emperor coated 10 inch bax music - Apr 27 2023

web the remo 10 vintage emperor coated is built to the same specification of the first drum head introduced by remo in 1957 which brings together a dual 7 5 mil polyester film

remo emperor vintage coated drumhead 10 inch 3 pack - Jan 13 2022

remo emperor vintage 10 coated drum head drum skin - Oct 22 2022

web emperor modelleri ve ürünleri en uygun fiyatlar ile hepsiburada com da en ucuz emperor modelleri ve kampanyalar hakkında bilgi almak için tıklayın

remo 10 vintage emperor coated reverb uk - Mar 27 2023

web remo ve 0110 00 vintage emperor coated drum head 10 inch a reissue of the first remo emperor drumhead that changed the art of drumming in the late 1960s

remo vintage emperor coated drumhead ve 0110 00 10 İnc - May 29 2023

web buy your remo ve 0110 00 vintage emperor coated 10 inch at bax music free returns 30 day trial period 3 year bax music warranty pay now go to basket helpdesk

ve 0110 00 10 vintage emperor reverb - Jun 29 2023

web remo vintage emperor coated drumhead ve 0110 00 10 İnç tom tram en iyi özellikleri ve gerçek kullanıcı yorumları en ucuz fiyatlarla n11 com da kampanyalı ve indirimli

remo 10 vintage emperor coated reverb - Feb 11 2022

web remo be 0110 00 10 coated emperor

emperor modelleri fiyatları ve Ürünleri hepsiburada - Aug 20 2022

web shop our vintage emperor selection from top sellers and makers around the world global shipping available

remo ve 0110 00 emperor vintage coated drumhead 10 - Nov 22 2022

web remo vintage emperor coated drumhead 10 ve 0110 00 sku ve 0110 00 22 00 availability online adelaide in store melbourne in store perth warehouse ships within

antique trader limoges price guide by dubay debbie - Sep 03 2022

web find many great new used options and get the best deals for antique trader limoges price guide at the best online prices at ebay free shipping for many products

old abbey limoges price value guide bath antiques online - Jan 27 2022

web jun 24 2022 shopping for antiques in turkey last updated on june 24 2022 antiques and old stuff are found all over turkey this is a very old country after all but the best

limoges antiques 188 for sale on 1stdibs - Feb 25 2022

web browse free old abbey limoges price value guide appraisals valuations free sale advice see today s old abbey limoges for sale best offer and auction

antique trader limoges price guide antique trader s limoges - Jun 12 2023

web find helpful customer reviews and review ratings for antique trader limoges price guide at amazon com read honest and unbiased product reviews from our users

antique trader limoges price guide by debby dubay goodreads - Apr 10 2023

web antique trader limoges price guide by debby dubay and a great selection of related books art and collectibles available now at abebooks co uk

antique trader limoges price guide amazon com - Aug 14 2023

web abebooks com antique trader limoges price guide 9780896894525 by dubay debby and a great selection of similar new used and collectible books available now at great

antique trader limoges price guide antique trader s limoges - Mar 29 2022

web find a variety of limoges antiques available on 1stdibs the range of distinct limoges antiques often made from ceramic porcelain and metal can elevate any home

antique trader limoges price guide dubay debby - Jul 13 2023

web in this full colour definitive price guide collectors and artisans with a passion for this classic porcelain will find pricing and identifying details and 800 colour photos for limoges

antique trader limoges price guide amazon com au - Oct 04 2022

web buy antique trader limoges price guide by dubay debbie online on amazon ae at best prices fast and free shipping free returns cash on delivery available on eligible purchase

antique trader limoges price guide 9780896894525 ebay - Aug 02 2022

web amazon in buy antique trader limoges price guide book online at best prices in india on amazon in read antique trader limoges price guide book reviews author

pdf antique trader limoges price guide read online citroensm - May 31 2022

web up for auction is rare 1880s antique victorian bawo dotter limoges porcelain basket in gorgeous gold gilt floral pattern marked with mark 3 in red overglaze this mark

antique trader limoges price guide abebooks - Dec 06 2022

web antique trader limoges price guide dubay debby 2 ratings by goodreads isbn 10 0896894525 isbn 13 9780896894525 published by krause publications 2007 new

antique trader limoges price guide by debby dubay alibris - Jan 07 2023

web abebooks com antique trader limoges price guide some light corner bumping rubbing and edgewear text is clean and tight in binding no ownership or other

antique trader limoges price quide abebooks - Nov 05 2022

web select the department you want to search in

antique trader limoges price abebooks - Mar 09 2023

web find many great new used options and get the best deals for antique trader limoges price guide by debby dubay 2007 trade paperback at the best online prices at

buy antique trader limoges price guide book online at low - Jul 01 2022

web download or read ebook antique trader limoges price guide pdf written by debby dubay and published by krause publications this book was released on 2007 05 16

shopping for antiques in istanbul and turkey - Dec 26 2021

price guides publications antique limoges vatican - Apr 29 2022

web j mp 1qjxwls

antique trader limoges price guide by debby dubay 2007 - Feb 08 2023

web buy antique trader limoges price guide by debby dubay online at alibris we have new and used copies available in 1 editions starting at 10 96 shop now

antique trader limoges price guide amazon com - May 11 2023

web in this full color definitive price guide collectors and artisans with a passion for this classic porcelain will find pricing and identifying details and 800 color photos for 272 pages

Igcse Grade Maths Test Papers Polygon	Igcse	Grade	Maths	Test	Papers	Polygon
---------------------------------------	-------	-------	--------------	-------------	---------------	---------