



Mathematics in the Time of the Pharaohs

By Richard J. Gillings

[Download now](#)

[Read Online](#) 

Mathematics in the Time of the Pharaohs By Richard J. Gillings

In the past, scholars have tended to dismiss the mathematics of the ancient Egyptians as "child's play," compared with the achievements of the Greeks and other later civilizations. Nevertheless, in a society that achieved the marvelous accuracy of construction revealed in the Pyramids, extensive systems of irrigation canals, the erection of large granaries, levying and collecting of taxes, and other evidences of a well-organized and highly developed culture, mathematics must have played a major role.

In this remarkably erudite work, the first book-length study of ancient Egyptian mathematics, Professor Gillings examines the development of Egyptian mathematics from its origins in commercial and practical computations to such accomplishments as the solution of problems in direct and inverse proportion; the solution of linear equations of the first degree; determining the sum of arithmetical and geometrical progressions, and the use of rudimentary trigonometric functions in describing the slopes of pyramids. Drawing on all the extant sources — Egyptian Mathematical Leather Roll, the Reisner Papyri, the Moscow Mathematical Papyrus, and, most extensively, the Rhind Mathematical Papyrus, a training manual for scribes- the author shows that although the mathematical operations of the ancient Egyptians were limited in number, they were adaptable to a great many applications. Professor Gillings is also at pains to debunk such myths as the numerical mysticism that arose in connection with the construction of the great Pyramids, and the oft-repeated assertion that the Egyptians were conversant with the Pythagorean Theorem.

Enhanced with photographs of age-old papyri and other artifacts, as well as the author's own calligraphic renderings of hieroglyphic and hieratic words and numerals, this carefully researched and well-presented study will fascinate Egyptologists, mathematicians, engineers, archaeologists, and any student or admirer of the remarkable civilization that flourished on the shores of the Nile so many centuries ago.



[Download Mathematics in the Time of the Pharaohs ...pdf](#)

 [Read Online Mathematics in the Time of the Pharaohs ...pdf](#)

Mathematics in the Time of the Pharaohs

By Richard J. Gillings

Mathematics in the Time of the Pharaohs By Richard J. Gillings

In the past, scholars have tended to dismiss the mathematics of the ancient Egyptians as "child's play," compared with the achievements of the Greeks and other later civilizations. Nevertheless, in a society that achieved the marvelous accuracy of construction revealed in the Pyramids, extensive systems of irrigation canals, the erection of large granaries, levying and collecting of taxes, and other evidences of a well-organized and highly developed culture, mathematics must have played a major role.

In this remarkably erudite work, the first book-length study of ancient Egyptian mathematics, Professor Gillings examines the development of Egyptian mathematics from its origins in commercial and practical computations to such accomplishments as the solution of problems in direct and inverse proportion; the solution of linear equations of the first degree; determining the sum of arithmetical and geometrical progressions, and the use of rudimentary trigonometric functions in describing the slopes of pyramids.

Drawing on all the extant sources — Egyptian Mathematical Leather Roll, the Reisner Papyri, the Moscow Mathematical Papyrus, and, most extensively, the Rhind Mathematical Papyrus, a training manual for scribes- the author shows that although the mathematical operations of the ancient Egyptians were limited in number, they were adaptable to a great many applications. Professor Gillings is also at pains to debunk such myths as the numerical mysticism that arose in connection with the construction of the great Pyramids, and the oft-repeated assertion that the Egyptians were conversant with the Pythagorean Theorem.

Enhanced with photographs of age-old papyri and other artifacts, as well as the author's own calligraphic renderings of hieroglyphic and hieratic words and numerals, this carefully researched and well-presented study will fascinate Egyptologists, mathematicians, engineers, archaeologists, and any student or admirer of the remarkable civilization that flourished on the shores of the Nile so many centuries ago.

Mathematics in the Time of the Pharaohs By Richard J. Gillings Bibliography

- Sales Rank: #952901 in Books
- Published on: 1982-06-01
- Released on: 1982-06-01
- Original language: English
- Number of items: 1
- Dimensions: 8.41" h x .59" w x 5.39" l, .72 pounds
- Binding: Paperback
- 286 pages

 [Download Mathematics in the Time of the Pharaohs ...pdf](#)

 [Read Online Mathematics in the Time of the Pharaohs ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Ross Jackson:

What do you concerning book? It is not important along with you? Or just adding material if you want something to explain what the one you have problem? How about your spare time? Or are you busy particular person? If you don't have spare time to complete others business, it is make you feel bored faster. And you have spare time? What did you do? Everybody has many questions above. They have to answer that question mainly because just their can do in which. It said that about publication. Book is familiar in each person. Yes, it is appropriate. Because start from on jardín de infancia until university need this Mathematics in the Time of the Pharaohs to read.

Marjorie Wright:

Spent a free a chance to be fun activity to complete! A lot of people spent their leisure time with their family, or all their friends. Usually they doing activity like watching television, going to beach, or picnic from the park. They actually doing same thing every week. Do you feel it? Do you wish to something different to fill your free time/ holiday? Can be reading a book is usually option to fill your cost-free time/ holiday. The first thing that you'll ask may be what kinds of e-book that you should read. If you want to try out look for book, may be the reserve untitled Mathematics in the Time of the Pharaohs can be very good book to read. May be it might be best activity to you.

Colleen Greenwood:

This Mathematics in the Time of the Pharaohs is great guide for you because the content which can be full of information for you who always deal with world and also have to make decision every minute. This particular book reveal it info accurately using great coordinate word or we can say no rambling sentences inside. So if you are read it hurriedly you can have whole data in it. Doesn't mean it only gives you straight forward sentences but challenging core information with lovely delivering sentences. Having Mathematics in the Time of the Pharaohs in your hand like getting the world in your arm, details in it is not ridiculous a single. We can say that no guide that offer you world with ten or fifteen minute right but this publication already do that. So , this really is good reading book. Hey Mr. and Mrs. active do you still doubt which?

Krystal Sutherland:

It is possible to spend your free time to read this book this reserve. This Mathematics in the Time of the Pharaohs is simple bringing you can read it in the park, in the beach, train and soon. If you did not get much space to bring the actual printed book, you can buy the e-book. It is make you much easier to read it. You

can save the actual book in your smart phone. So there are a lot of benefits that you will get when you buy this book.

Download and Read Online Mathematics in the Time of the Pharaohs By Richard J. Gillings #P1HY8F2LWC3

Read Mathematics in the Time of the Pharaohs By Richard J. Gillings for online ebook

Mathematics in the Time of the Pharaohs By Richard J. Gillings Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mathematics in the Time of the Pharaohs By Richard J. Gillings books to read online.

Online Mathematics in the Time of the Pharaohs By Richard J. Gillings ebook PDF download

Mathematics in the Time of the Pharaohs By Richard J. Gillings Doc

Mathematics in the Time of the Pharaohs By Richard J. Gillings MobiPocket

Mathematics in the Time of the Pharaohs By Richard J. Gillings EPub