

MICHEL Marianne, *Les mathématiques de l'Égypte ancienne. Numération, métrologie, arithmétique, géométrie et autres problèmes*, Safran, Bruxelles, 2014 (Connaissance de l'Égypte ancienne 12).

Table of contents

- Preface by Prof. Claude Vandersleyen, p. 7-8
- Introduction, p. 11-16
- Foreword, Conventions, Acknowledgements
- Chapter I. Sources, p.19-54
 - A. The Rhind papyrus – B. The Moscow papyrus – C. Other sources from the 2nd millennium B.C. – D. Some paleographical notes
- Chapter II. Prerequisites, numbers and fractions, p. 55-112
 - A. Prerequisites – B. Numbers and operations on the numbers – C. Fractions and operations on the fractions – D. Calculations aid tables
- Chapter III. Metrology, p. 113-168
 - A. Measures of lengths – B. Measures of surfaces – C. Measures of volumes and grains – D. Measures of liquids – E. Measures of masses and exchanges
- Chapter IV. Arithmetic, p. 169-274
 - A. *Sekem* or "completion" problems – B. Searches for unknown quantities – C. Second degree and square roots – D. Equal shares distributions – E. Inequal shares distributions
- Chapter V. Geometry, p. 275-441
 - A. Calculations of areas – B. Calculations of volumes – C. Calculation of inclinations – D. Supplements
- Chapter VI. Various problems, p. 443-511
 - A. *Pefsou* calculations – B. *Bakou* calculations – C. Geometrical progressions – D. Calculations related to quantities of food
- Conclusion, p. 513-522
- Sources, Numbers, Fractions and metrology, Techniques, Arithmetic, Geometry, Borrowings and Influences
- Appendices, p. 523-564
 - Chronology of Ancient Egypt, Some Mesopotamians and Greeks chronological markers, Chronological classification of the original documents, Mathematical lexicon, Supplements
- Bibliography and Credits, p. 565-579
- Index, p. 581-598
- Original documents, Subjects, Problem's analysis, Plates, Problem's extracts, Illustrations, Tables