UC 32159

photograph

This fragment contains a part of the best known Egyptian table text, the 2:n table. The 2:n table was used for fraction reckoning. Egyptian fraction reckoning used only unit fractions. Fractions that have, in our modern notation, a numerator bigger than one were expressed as sums of different unit fractions.

The 2:n table gives sums of unit fractions for the result of the division 2:n (2 divided by n), with odd n. Its most extensive version extant can be found in the Rhind mathematical papyrus, which shows the table for the odd numbers n=3 up to n=101.

The fragment UC 32159 shows the table for the odd numbers n=3 to n=21. The sum of unit fractions given are exactly the same as in the Rhind papyrus. This supports the conclusion that although for every n there lyfractio(t)-2.5(very)2ossinumbreof dws a.7(ven07 by)2abest-0.00