

1. Record Nr.	UNINA9910484585903321
Autore	Ellerton Nerida F
Titolo	Abraham Lincoln's Cyphering Book and Ten other Extraordinary Cyphering Books / / by Nerida F. Ellerton, M. A. (Ken) Clements
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	9783319025025 3319025023
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (383 p.)
Disciplina	306.43 370 510.71
Soggetti	Mathematics - Study and teaching Educational sociology Mathematics Education Sociology of Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	1.Cyphering Books and the Cyphering Tradition in North America and Great Britain, 1630–18 -- 2.Primitive Beginnings, Circa 1667 -- 3. "Thomas Prust His Booke Amen 1702" -- 4.Daughters of the Revolution: Martha and Elisabeth Ryan's Cyphering Book, Circa 1780 -- 5.With a Tinge of Green: Mary Watkins, 1820 -- 6.He would be Good: Abraham Lincoln's Early Mathematics, 1819–1826 (This chapter was authored by Nerida Ellerton, Valeria Aguirre Holguin, and M. A. (Ken) Clements) -- 7.Sacrobosco's Heritage: Thomas Dixson's Cyphering Book, 1630–1632 -- 8.Writing as if Arithmetick: George Bickham's Cyphering Book, Circa 1740 -- 9.Bound for Botany Bay? Circa 1791 -- 10.From the Royal Mathematical School: Charles Page, 1825 -- 11.Fit for a King? William Beattie, Circa 1810 and 1835–1836 -- 12.Lessons from Extraordinary Cyphering Books -- References -- Index.
Sommario/riassunto	This well-illustrated book provides strong qualitative and comparative support for the main arguments developed by Nerida Ellerton and Ken

Clements in their groundbreaking *Rewriting this History of School Mathematics in North America 1607–1861: The Central Role of Cyphering Books*. Eleven extraordinary handwritten school mathematics manuscripts are carefully analyzed—six were prepared entirely in Great Britain, four entirely in North America, and one partly in Great Britain and partly in North America. The earliest of the 11 cyphering books was prepared around 1630, and the latest in 1835. Seven of the manuscripts were arithmetic cyphering books; three were navigation cyphering books, and one was a mensuration/surveying manuscript. One of the cyphering books examined in this book was prepared, over the period 1819–1826, by a young Abraham Lincoln, when he was attending small one-teacher schools in remote Spencer County, Indiana. Chapter 6 in this book provides the first detailed analysis of young Abraham's cyphering book—which is easily the oldest surviving Lincoln manuscript. Another cyphering book, this one prepared by William Beattie in 1835, could have been prepared as a special gift for the King of England. The analyses make clear the extent of the control which the cyphering tradition had over school mathematics in North America and Great Britain between 1630 and 1840. In their final chapter Ellerton and Clements identify six lessons from their research into the cyphering tradition which relate to present-day circumstances surrounding school mathematics. These lessons are concerned with sharp differences between intended, implemented and attained curricula, the remarkable value that many students placed upon their cyphering books, the ethnomathematical circumstances which surrounded the preparations of the extraordinary cyphering books, and qualitative differences between British and North Americanschool mathematics.
