

1.	Record Nr.	UNINA990004143070403321
	Autore	Johnson, Homer H.
	Titolo	An introduction to experimental design in psychology : A case approach / Homer H. Johnson, Robert L. Solso
	Pubbl/distr/stampa	New York : Harper & Row, c1971
	Descrizione fisica	VIII, 216 p. ; 20 cm
	Collana	Harper's Experimental , Psychology Series
	Altri autori (Persone)	Solso, Robert L.
	Locazione	FLFBC
	Collocazione	P.1 PG 76
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910484867203321
	Autore	Clements M.A. (Ken)
	Titolo	Thomas Jefferson and his Decimals 1775–1810: Neglected Years in the History of U.S. School Mathematics / / by M.A. (Ken) Clements, Nerida F. Ellerton
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	9783319025056 3319025058
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (219 p.)
	Disciplina	370 515.42
	Soggetti	Mathematics - Study and teaching Measure theory Mathematics Education Measure and Integration
	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 and index.
Nota di contenuto	Early Moves Toward Metrication in Europe -- Measurement Chaos in North America, 1780–1980 -- Opportunity Lost: Big Money Successfully Thwarts Thomas Jefferson's Push for Metrication 1776–1793 -- Muddling Along: Opposition to Moves for Metrication, 1793–1920 -- David Eugene Smith's Involvement in the Metrication Issue, 1920–1935 -- The Decision for Metrication, 1970 -- Reaganomics, Big Money, and the Crushing of the Metric Dream, 1970-1980 -- Why has the United States Never Achieved Metrication?.
Sommario/riassunto	<p>This well-illustrated book, by two established historians of school mathematics, documents Thomas Jefferson's quest, after 1775, to introduce a form of decimal currency to the fledgling United States of America. The book describes a remarkable study showing how the United States' decision to adopt a fully decimalized, carefully conceived national currency ultimately had a profound effect on U.S. school mathematics curricula. The book shows, by analyzing a large set of arithmetic textbooks and an even larger set of handwritten cyphering books, that although most eighteenth- and nineteenth-century authors of arithmetic textbooks included sections on vulgar and decimal fractions, most school students who prepared cyphering books did not study either vulgar or decimal fractions. In other words, author-intended school arithmetic curricula were not matched by teacher-implemented school arithmetic curricula. Amazingly, that state of affairs continued even after the U.S. Mint began minting dollars, cents and dimes in the 1790s. In U.S. schools between 1775 and 1810 it was often the case that Federal money was studied but decimal fractions were not. That gradually changed during the first century of the formal existence of the United States of America. By contrast, Chapter 6 reports a comparative analysis of data showing that in Great Britain only a minority of eighteenth- and nineteenth-century school students studied decimal fractions. Clements and Ellerton argue that Jefferson's success in establishing a system of decimalized Federal money had educationally significant effects on implemented school arithmetic curricula in the United States of America. The lens through which Clements and Ellerton have analyzed their large data sets has been the lag-time theoretical position which they have developed. That theory posits that the time between when an important mathematical "discovery" is made (or a concept is "created") and when that discovery (or concept) becomes an important part of school mathematics is dependent on mathematical, social, political and economic factors. Thus, lag time varies from region to region, and from nation to nation. Clements and Ellerton are the first to identify the years after 1775 as the dawn of a new day in U.S. school mathematics—traditionally, historians have argued that nothing in U.S. school mathematics was worthy of serious study until the 1820s. This book emphasizes the importance of the acceptance of decimal currency so far as school mathematics is concerned. It also draws attention to the consequences for school mathematics of the conscious decision of the U.S. Congress not to proceed with Thomas Jefferson's grand scheme for a system of decimalized weights and measures. .</p>