



Mathematics For Elementary School Teachers A Process Approach

Author :Mark Freitag / **Category :**Mathematics / **Total Pages :** 1104 pages

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Summary : Free mathematics for elementary school teachers a process approach pdf download - freitag s mathematics for elementary school teachers a process approach was developed using the five content standards from the nctm principles and standards for school mathematics and the common core state standards for mathematics traditionally books for pre-service elementary teachers have focused on problem solving however problem solving is not the only process through which mathematics is learned it is also learned through mathematical reasoning communication representation and connections recent trends in mathematics education now advocate implementing all five processes as a vital part of learning and doing mathematics consequently you need to have concrete experiences with these processes that you will be required to teach the goal of this book is to treat each of the processes equitably by using an approach in which the five processes serve as the central pedagogical theme most of the examples exercises and activities are designed to either model the processes or to directly engage you in working with them as a result you will not only come to understand the different processes but also appreciate them as an integral to learning and doing mathematics if this broader view can be instilled you are more likely to give your students a more well-rounded and holistic view of mathematics once you enter the classroom the content of the book is directly related to the mathematics that is taught in grades k - 8 the purpose is not to reteach elementary mathematics rather the intent is to look at the content from a theoretical or generalized point of view so that you can better understand the concepts and processes behind the mathematics you will teach in short the book focuses on the why behind the mathematics in addition to the how available with infotrac student collections <http://gocengage.com/infotrac> important notice media content referenced within the product description or the product text may not be available in the ebook version

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