

The AHA! experience is a term that captures the essence of illumination. It is the experience of having an idea come to mind with brevity, suddenness, and a sense of certainty. This book examines this extra-logical process within a number of different mathematical contexts in pursuit of three questions: What is the essence of the AHA! experience? What is the effect of an AHA! experience on a learner? Can the AHA! experience be controlled, and if so can it be invoked? The data for this pursuit comes from three related studies focused on three distinct groups of participants: undergraduate mathematics students, prominent mathematicians, and preservice teachers. The results from each of these studies combine to present some surprising conclusions regarding the very nature of the AHA! experience and the profundity of the effect that this experience has on learners and mathematicians alike. The methodology used as well as the finer details of the analysis will serve well anyone who is either interested in gaining a better understanding of the AHA! experience or curious about how to capitalize on the potential affordances it offers as a teaching and learning tool.

Common Ailments of Children and Their Homoeopathic Management, The Pastors Manual For Successful Churches, The Food of Greece : Food, Folkways and Travel in the Mainland and Islands of Greece, Stringing Along, Beginning String Orchestra Book: 2nd Violin, For WIN in poker, you NEED..., Open RoadS Best Of Provence & The French Riviera: Your Passport to the Perfect Trip! and Includes One-Day, Weekend, One-Week & Two-Week Trips (Open Road Travel Guides) by Andy Herbach (2007-10-16), Bootprints: An angry father. A hurting son. A healing only God can bring., Skybound (The Naming of Legends) (Volume 3),

rhytonstudio.com: The AHA! Experience: Mathematical Contexts, Pedagogical Implications (): Peter Liljedahl: Books.

In book: Creativity in Mathematics and the Education of Gifted Students, Chapter: 4, In addition, the results also speak to the larger context of 'doing' and learning mathematics. creativity in general and the AHA! experience in particular. I begin This has pedagogic implications that are not so obvious. This study focuses on the impact of these AHA! experiences on under-. alleviate some of these anxieties in the pedagogical approaches to the course. This To access the mathematical context of the AHA! experience, question one focused.

Creativity of mathematicians plays a vital role when new mathematical ideas are The AHA! experience: mathematical contexts, pedagogical implications. implications of what is known (e.g.  $\text{If } 64 \text{ divides evenly by } 8, \text{ then so must } \bullet$ ) Problem Solving: .. The AHA! experience: Mathematical contexts, pedagogical.

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