

Mathematical Expeditions: Exploring Word Problems Across the Ages



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Reviews

Definitely one of the best book We have at any time go through. It is actually filled with wisdom and knowledge I am quickly could get a delight of studying a published book.

(Dr. Kim Bergnaum)

MATHEMATICAL EXPEDITIONS: EXPLORING WORD PROBLEMS ACROSS THE AGES



Johns Hopkins University Press. Paperback. Book Condition: new. BRAND NEW, Mathematical Expeditions: Exploring Word Problems Across the Ages, Frank J. Swetz, A little bucket, one-third full, is 8 inches deep, and its upper and lower diameters are 7 inches and 6 inches, respectively. How large is the frog which, jumping into the bucket, causes the water to rise 3 inches? Word problems not unlike this example are a staple on math tests and of abiding interest to students, teachers, and professional mathematicians alike. Frank Swetz, a highly regarded mathematics educator, gathers hundreds of these problems in this fun and fascinating introduction to mathematics from around the world. "Mathematical Expeditions" is a collection of over 500 culturally and historically diverse mathematical problems carefully chosen to enrich mathematics teaching from middle school through the college level. What better way to teach students the multicultural aspects of math than by assigning them problems first composed on clay tablets by Babylonian scribes, included in the Rhind papyrus, or Vedic problems scratched on tree bark? From Egypt to Greece to China to India, Swetz's problems - both practical and abstract - span centuries and cultures. Swetz has organized the problems by culture and historical period, showing, through the various constructs and contexts of the problems, the history and development of mathematics throughout the world. Along the way, he tells us what various cultures knew about math and how they came to learn it, providing instructors with a wonderful way to incorporate multicultural mathematics into the middle school, high school, and college classroom.



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