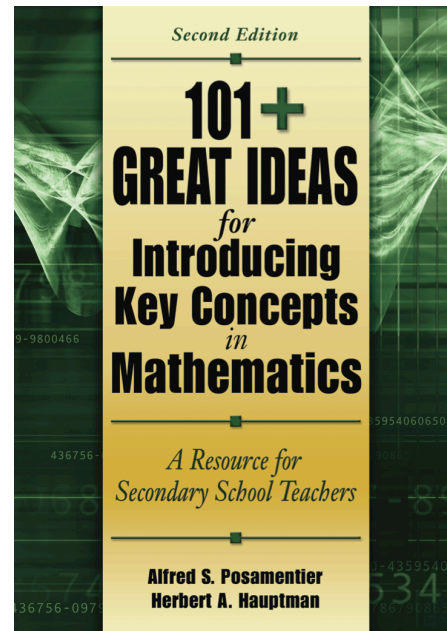


101+ Great Ideas for Introducing Key Concepts in Mathematics

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Learning Area: Mathematics
Category: Activities and Exercises



Summary:

Invigorate instruction and engage students with this treasure trove of “Great Ideas” compiled by two of the greatest minds in mathematics. From commonly taught topics in algebra, geometry, trigonometry and statistics, to more advanced explorations into indirect proofs, binomial theorem, irrationality, relativity and more, this guide outlines concepts and techniques that will inspire veteran and new educators alike.

This updated second edition offers more proven practices for bringing math concepts to life in the classroom, including:

- 116 innovative strategies organised by subject area
- User-friendly content identifying the “objective”, “materials” and “procedure” for each technique
- A range of teaching models, including hands-on and computer-based methods
- Specific and straightforward examples with step-by-step lessons

Written by two distinguished leaders in the field – mathematician, author, professor, university dean and popular commentator, Alfred S. Posamentier, along with mathematical pioneer and Nobel Prize recipient Herbert A. Hauptman – this guide brings a refreshing perspective to secondary maths instruction to spark renewed interest and success among students and teachers.

Supporting Resources:

- *Styles and Strategies for Teaching Secondary School Mathematics* (CO1067)
- *Styles and Strategies for Teaching Middle School Mathematics* (CO1197)
- *What Successful Math Teachers Do, Grades 6–12* (CO1210)

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