Errata and more:

100 Commonly Asked Questions in Math Class. Answers That Promote Mathematical Understanding, Grades 6-12.

Alfred S. Posamentier, William Farber, Terri L. Germain-Williams, Elaine Paris, Bernd Thaller, Ingmar Lehmann


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Chapter 1. General Questions

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3. How many leaves are on a tree?
4. Why do we have to learn about the history of mathematics?
5. Who introduced the Hindu-Arabic numbers to the Western world, and when?
6. What are the three famous problems of antiquity?
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8. What is the golden Ratio?
9. Is there a smallest number, and is there a largest number?
10. Why is infinity not a number?
11. How large is infinity?
12. Is there anything larger than infinity?
13. Can the union of two sets ever be equal to the intersection of the two sets?
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15. How can we avoid making an error in a “proof” that leads to a generalization?
16. How does a calculator function?
17. Which is correct—my calculating, the calculator, or the computer?
18. What are conic sections?
19. What is a mathematical group?
20. What is a mathematical ring?
21. What is a mathematical field?
22. What are the three famous laws that Johannes Kepler discovered about planetary motion—involving the ellipse?

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Chapter 2. Arithmetic Questions

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24. What is the difference between a cardinal and an ordinal number?
25. What are the natural numbers, and does the number zero belong to the natural numbers?
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27. What is a fraction?
28. What is a rational number?
29. How can one convert a decimal number to a fraction?
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33. How do the values of the following differ: \( abc \), \((ab)^c\), \((a^b)^c\), \( a^{b^c} \) ?
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Errata

We appreciate any comments about the book as well as any typographical errors that have not yet been detected so that they can be incorporated in future printings of the book.

Alfred S. Posamentier: asp1818@gmail.com

Ingmar Lehmann: ilehmann@mathematik.hu-berlin.de