



SKVOORVEER

Relatively Speaking

We encourage classroom teachers to pose this problem to your students and share their creative solutions. Please include a brief analysis of the specific strategy; examples of original students' work or high-quality digital images; and your name, the school name and address, and your e-mail address. E-mail submissions to **Sherry Bair** at slbair@ilstu.edu, or send to her at Illinois State University, Campus Box 4520, Normal, IL 61790-4520, by **June 1, 2012**. Published solutions will be credited.

(Solutions on page 446)

Terry's teacher was talking about *relatively prime* numbers. The example being discussed involved 8 natural numbers that were relatively prime to 15 and less than 15 (1, 2, 4, 7, 8, 11, 13, 14). Terry wondered:

- How many natural numbers less than 100 were relatively prime to 15?
- How many natural numbers between 43 and 274 were relatively prime to 15?
- How could you determine how many natural numbers were relatively prime to 15 between any pair of natural numbers, a and b ?

solve it! solutions

(Continued from p. 398)

- a.** 53
- b.** 125
- c.** Answers will vary.

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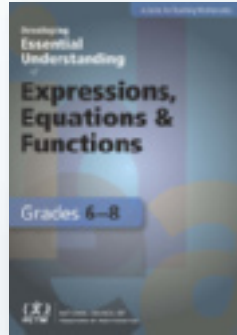
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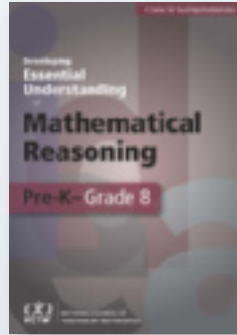


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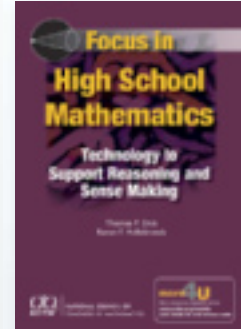
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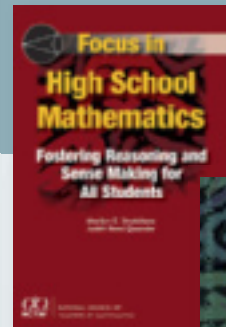
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