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Discover mathematical knowledge through recreational mathematics problems.

Math. Teach. (Reston) 97, No. 4, 258-263 (2004).

Summary: The way in which a mathematical problem was used as a vehicle to introduce the joy of mathematical research to a high school student is demonstrated. The student was interested in learning about other classical problems delighting an eager high school student. (ERIC)

Classification: D54 A24 K24

Keywords: Kirkman's schoolgirl problem; combinatorics; recreational mathematics; problem solving; secondary schools; problem solving; student motivation; creative teaching