

SMC Department of Mathematics
Problem of the Week

Week 1 Solution

The Two Cubes: Two cubes with integral side length have their combined volume equal to the combined length of their edges. What are the dimensions of the cubes?

Prize: The first person to submit a correct solution to Rena Levitt (Galileo 108B) will have their choice of many fine mathematical prizes. In addition, the person with the most correct submissions this semester will receive a prize at the end of the semester. The final deadline for submission is noon on Monday, Monday March 2nd. Good Luck!