

Problem of the Month

October 2017

Square Decimal

Find two positive integers a and b where $\left| \frac{a}{b} - 0.0104091625 \right|$ is less than 10^{-10} and b is as small as possible.

- Return solutions to Dr. Scott Dunn at dunns@math.sc.edu or to his mailbox in the Mathematics Department Office in LC 411 no later than October 31st.
- Problems will be graded on correctness, clarity of work, and speed of submission
- Problems for The Problem Solving Competition are provided by professors and students in the U. S. You will receive a commemorative medallion if your problem is used in the monthly challenge. Send problems and solutions to Dr. Paul Phillips, The Problem Solving Competition Editor, Department of Mathematics, University of Dallas, 1845 E. Northgate, Irving TX 75082