

Rockhurst University Mathematics Problem of the Month

Congratulations to Natalie Simon and Peter Simone, winners of September's contest. They each win a prize from the Problem of the Month collection. Honorable mention goes to Professor Koelzer (no Colombo?). The contest is open to any currently enrolled Rockhurst student. The winner will be chosen according to who has the best solution (not just answer) to the problem. Ties will be resolved by considering the order in which the solutions were received.

Solutions should be submitted to Keith Brandt (Richardson 120) by the end of each month. The winners will receive wonderful prizes, so give these problems some thought!

Problems For October 2003:

1. Max's birthday is in December. His daughter Katie's birthday is in March. When Katie was born, Max was 32 years old. For how many months will Max's age in years be equal to twice Katie's age in years?
2. Let n be the number of people who shook hands an odd number of times at a party last night. Prove that n is even.