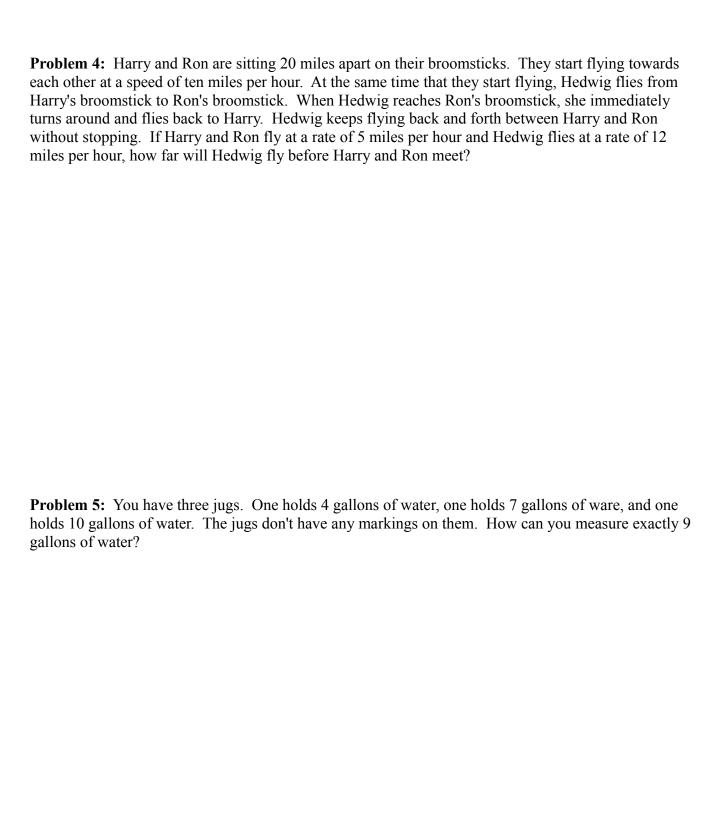
Montlake Math Challenge

November 13, 2008

Logic Problems

Announcements: We will not meet next week (November 20) because of Parent-Teacher Conferences. We will not meet the following week (November 27) because of Thanksgiving. Our next meeting will be on December 4.

Problem 3: John, Paul, George, and Ringo need to cross a bridge at night. They only have one flashlight, and at most two people can cross the bridge at once. It takes John one minute to cross the bridge. It takes Paul two minutes to cross the bridge. It takes Ringo ten minutes to cross the bridge. What is the shortest amount of time it will take for all four Beatles to cross the bridge?



Problem 6: Put either a plus sign or minus sign between the following numbers to make a true equation:

 $1 \quad 9 \quad 8 \quad 6 \quad 3 \quad 5 \quad 1 \quad = \quad 6$

*Challenge Problem

Here is another magic square. Fill the squares using the numbers 1-16 so that the sum of the numbers across each row, down each column, and along each diagonal is equal to 34.