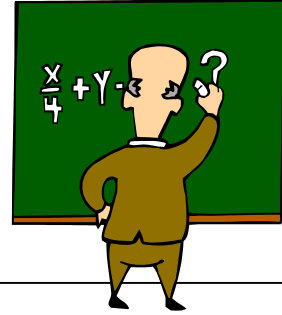


# Problem of the Week

March 31 – April 7, 2008



While Mr. Kessler and Mr. Ryan are fishing 1 mile from shore, their boat springs a leak, and water comes in at a constant rate of 10 gallons per minute. The boat will sink if it takes in more than 30 gallons of water. Mr. Kessler starts rowing at a constant rate of 4 miles per hour while Mr. Ryan bails water out of the boat. What is the slowest rate, in gallons per minute, at which Mr. Ryan can bail if they are to reach the shore without sinking?