The Weekly Rigor

50 Word Problems Involving Rational Equations
(Part 8)

29. Working alone, Adam can pour a large concrete driveway in 5 hours. Betty can pour the same driveway in seven hours. How long would it take them to complete this job if they worked together?

30. Ben takes 2 hours to wash 500 dishes, and Frank takes 3 hours to wash 450 dishes. How long will they take, working together, to wash 1000 dishes?

31. Working along, it takes Sandra 30 minutes to wash the car. Sam can wash the same car in 45 minutes. How long would it take Sam and Sandra to wash the car if they work together?

32. Working together, Laura and Katie can type a term paper in $3\frac{3}{5}$ hours. Laura can type the paper by herself in 6 hours. How long would it take Katie to type the paper by herself?