Problem of the Week
Problem D
Concentrate

A large jug of lemonade contains a mixture of lemon juice concentrate and water. When 1 litre of water is added to the jug, the ratio, by mass, of juice concentrate to water is 1 : 2. When 1 litre of juice concentrate is added to the new mixture, the ratio becomes 2 : 3. Find the original ratio, by mass, of lemon juice concentrate to water in the jug.