

## Birthday Puzzle

The *2009 Toronto birthdate* is the one date (in 2009) on which the largest number of babies were born in Toronto; we can define the birthdate for any other year in the same way. Somewhat oddly, every year for the past several decades there has been exactly one birthdate (i.e. there was never a tie for the most babies born). More surprisingly, even though the birthdate changes from year to year, it *always falls on the same day of the week*.

Can you explain this strange phenomenon?