

# Express Riddler

7 February 2020

## Riddle:

This past Sunday was Groundhog Day. Also, there was a football game. But to top it all off, the date, 02/02/2020, was palindromic, meaning it reads the same forwards and backwards (if you ignore the slashes).

If we write out dates in the American format of MM/DD/YYYY (i.e., the two digits of the month, followed by the two digits of the day, followed by the four digits of the year), how many more palindromic dates will there be this century?

## Solution:

The only thing to do to solve this riddle is simply to write out all the palindromic dates for the rest of the century. Because every year of the century begins with 20, the dates will always be the 2nd of each month. All possible dates are:

01/02/2010	07/02/2070
02/02/2020	08/02/2080
03/02/2030	09/02/2090
04/02/2040	10/02/2001
05/02/2050	11/02/2011
06/02/2060	12/02/2021

Obviously, 2001, 2010, and 2011 have already passed, and not counting this weekend, there are eight remaining dates this century.