**President’s Day**

George, William, John, Abe, and Millard have their birthdays on consecutive days, all between Monday and Friday.

* George’s birthday is as many days before Millard’s and William’s is after Abe’s.
* John is two days older than Abe.
* Millard’s birthday is on Thursday.

Can you figure out whose birthday is on each day?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Mon | Tue | Wed | Thur | Friday |
| George | 0 | 1 | 0 | 0 | 0 |
| William | 0 | 0 | 0 | 0 | 1 |
| John | 1 | 0 | 0 | 0 | 0 |
| Abe | 0 | 0 | 1 | 0 | 0 |
| Millard | 0 | 0 | 0 | 1 | 0 |

|  |  |
| --- | --- |
| Monday | John |
| Tuesday | George |
| Wednesday | Abe |
| Thursday | Millard |
| Friday | William |

Solution

1. Millard’s birthday is on Thursday. Left with 4 days.
2. We know William’s birthday is after Abe’s and since John is 2 days older than Abe, we can assume that William, Abe and John all are separated by 2 days (since Thursday is taken by Millard). Test John on Monday, Abe on Wednesday and William on Friday.
3. Therefore, left with Tuesday which is George’s birthday because it is as many days before Millard’s as William’s is after Abe’s.