**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

* Millard’s birthday is on Thursday. Left with 4 days.
* 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.
* 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.