

Answer: THIRTY

Solution: <https://www.youtube.com/watch?v=uKn90TXiEkg&list=PLhQjrBD2T381e1IyDsLSXFYveF6ggaPBx&index=8>

Computational Thinking:

Abstraction: Understanding that the colored lines actually represent LED’s and it can also represent different numbers when you light up certain parts of it.

Pattern recognition: There countries and special days next to them. Also, you have a system to represent numbers. So you should be looking for dates.

Decomposition: Find the dates of each special day for that particular country one by one.

Algorithm Design: After finding the days and sorting them in order. Algorithm proceeds like this:

1-)Pick the date.

2-)Represent the day of date with the LED.

3-) From the LED’s that are not lighted, pick the letters that are in the same order with the month of that particular date.

4-)Repeat 1-3 until the end of the dates.