- 1. Make a list of all the numbers, 0 up to n. (We will use the numbers 0 to n, rather than 2 to n, so that the list index is equal to the number, for convenience).
- 2. Strike out the multiples of 2 (except 2 itself)
- 3. Find the next smallest number which is not struck out (i.e. p = 3)
- 4. Strike out the multiples of *p* (except p itself)
- 5. Repeat from step 3-4 until *p* is larger than the square root of *n*.
- 6. Build a list of primes from the remaining numbers.