

Extension
Chapter 7.5
Group B

What are the next 10 M-World numbers (numbers 7-16)?

In order to come to a conclusion to this, we first found a bunch of the M-World numbers by multiplying by $4n + 1$. This chart shows what we mean:

n	$4n + 1$
1	1
2	5
3	9
4	13
5	17
6	21
7	25
8	29
9	33
10	37
11	41
12	45
13	49
14	53
15	57
16	61
17	65
18	69
19	73

So, as you can see from the table above, the gray section represents the first 6 numbers which are *primes* in the *M-World*. After these 6 numbers, the next 10 numbers which are primes in the M-World are shaded in red. ($45 = 5 \cdot 9$ is not M-prime).