Prime numbers 1-100

The factors of 2 are
4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 78 80 82 84 86 88 90 92 94 96 98 100

So remove them because they aren't prime numbers, so we are left with
1 2 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99

Then the factors of 3 are
9 15 21 27 33 39 45 51 57 63 69 75 81 87 93 99

So remove them and we are left with
1 2 3 5 7 11 13 17 19 23 25 29 31 35 37 41 43 47 53 55 59 61 65 67 71 73 77 79 83 85 89 91 97

Then the factors of 5 are
5 25 35 55 65 85

So remove them and we are left with
1 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 77 79 83 89 91 97

Then the factors of 7 are
77 91

So remove them and we are left with
1 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

Then we are left with all the prime numbers