

Prime Suspects

A **prime number** is a natural number greater than 1 that has no positive divisors except 1 and itself.

Follow these steps to find all primes up to 100:

1. Cross out 1, since prime numbers must be greater than 1.
2. The first prime number is 2. Cross out all multiples of 2 (the even numbers).
3. The next prime number is 3. Cross out all multiples of 3.
4. The next prime is 5 (4 has already been crossed out). Cross out all multiples of 5.
5. The next number remaining is 7 (the next prime). Cross out all remaining multiples of 7.
6. All remaining numbers are prime numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100