

## Prime Numbers 2

Here is a simple way to find all the prime numbers from 1 to 100.

Copy the table below onto square paper.

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

1. Cross out number 1, since all primes are greater than 1.
2. Number 2 is prime so we can keep it, but we need to cross out all other multiples of 2 (i.e. even numbers)
3. Number 3 is also prime so keep it but cross off all other multiples of 3.
4. The next number left is 5 (since 4 has already been crossed off) so we keep it and cross off all multiples of this number.
5. The final number left in the row is 7, keep it and cross off all its multiples.
6. You have finished! All the numbers left not crossed are **prime**.
7. Make a list of these numbers in your jotter, you will need them later.