

# The Sieve of Eratosthenes

1. Circle the first prime number, two. Cross out all multiples of two.
2. Circle the second prime number, three. Cross out all multiples of three.
3. Continue in this manner until all numbers are either circled or crossed out.

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

What kind of numbers are circled?

What kind of numbers are crossed out?

How does finding multiples help with finding prime numbers?

How many prime numbers did you find?