

Sieve of Eratosthenes 1-50

Name: _____ Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, and 7; after this the only numbers left are primes.

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

Sieve of Eratosthenes 1-50

ANSWER KEY

Name: _____ Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, and 7; after this the only numbers left are primes.

1	2	3	² 4	5	² 6	7	² 8	³ 9	² 10
11	² 12	13	² 14	³ 15	² 16	17	² 18	19	² 20
³ 21	² 22	23	² 24	⁵ 25	² 26	³ 27	² 28	29	² 30
31	² 32	³ 33	² 34	⁵ 35	² 36	37	² 38	³ 39	² 40
41	² 42	43	² 44	³ 45	² 46	47	² 48	⁷ 49	² 50

Sieve of Eratosthenes 1-100

Name: _____ Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, and 7; after this the only numbers left are primes.

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

Sieve of Eratosthenes 1-100

ANSWER KEY

Name: _____

Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, and 7; after this the only numbers left are primes.

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

Sieve of Eratosthenes 1-200

Name: _____ Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, 7, 11 and 13; after this the only numbers left are primes.

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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

Sieve of Eratosthenes 1-200

ANSWER KEY

Name: _____ Date: _____

To find all of the prime numbers, start by crossing out all that are multiples of 2. Do the same for 3, 5, 7, 11 and 13; after this the only numbers left are primes.

1	2	3	²4	5	²6	7	²8	³9	²10
11	²12	13	²14	³15	²16	17	²18	19	²20
³21	²22	23	²24	⁵25	²26	³27	²28	29	²30
31	²32	³33	²34	⁵35	²36	37	²38	³39	²40
41	²42	43	²44	³45	²46	47	²48	⁷49	²50
³51	²52	53	²54	⁵55	²56	³57	²58	59	²60
61	²62	³63	²64	⁵65	²66	67	²68	³69	²70
71	²72	73	²74	³75	²76	⁷77	²78	79	²80
³81	²82	83	²84	⁵85	²86	³87	²88	89	²90
⁷91	²92	³93	²94	⁵95	²96	97	²98	³99	²100
101	²102	103	²104	³105	²106	107	²108	109	²110
³111	²112	113	²114	⁵115	²116	³117	²118	⁷119	²120
¹¹121	²122	³123	²124	⁵125	²126	127	²128	³129	²130
131	²132	⁷133	²134	³135	²136	137	²138	139	²140
³141	²142	¹¹143	²144	⁵145	²146	³147	²148	149	²150
151	²152	³153	²154	⁵155	²156	157	²158	³159	²160
⁷161	²162	163	²164	³165	²166	167	²168	¹³169	²170
³171	²172	173	²174	⁵175	²176	³177	²178	179	²180
181	²182	³183	²184	⁵185	²186	¹¹187	²188	³189	²190
191	²192	193	²194	³195	²196	197	²198	199	²200