

How to Know All Prime Numbers and All Numbers Divisible with a Prime Number Only: Seven

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Abstract

This study on prime numbers presents a method that allows us to know divisible numbers without performing complex calculation system using examination of composition of numbers. Example $143=11 \times 13$, $493=17 \times 29$. I can know all prime numbers with this examination of composed number.

Keywords: *Prime numbers; Divisible numbers*

About the Study

Before I start proving that the idea of knowing all divisible and prime numbers with only one number is true, let me tell you about a dream I had one night.

In the dream, a musician was answering a question from a person who was present in the dream. He asked the musician: Why are there seven notes? The musician replied by pointing out that with seven notes you could create all kinds of music present in many life situations: Joy, pain, sadness, study, etc., etc.

He affirmed that music is harmony and suddenly he started talking about the Riemann hypothesis. He hoped that someone would solve this hypothesis and be able to demonstrate harmony between the numbers. He said that prime numbers contributed with their presence to create a harmony that divisible numbers alone could not create.

I was surprised that my hypothesis appeared in the dream: Harmony between prime and divisible numbers which proved to be valid with this study. Prime numbers have an order and occupy the place left vacant by divisible numbers. Together they form a harmony.

Alone they cannot have harmony and create order.

The dream musician invited us to discover and make known the harmony between divisible and prime numbers in the set of numbers.

Since my first publication on prime numbers I had considered the hypothesis that the number seven was the fundamental number to be considered for the solution of the problem.

A few years have passed and now with the collaboration of Cristina Gabrieli, my neighbor, I have found the solution after analyzing some series of divisible odd.

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I divide the result by seven and get a series of prime and divisible numbers.

77	91	119	133	161	203	217	259	287
11	13	17	19	23	29	31	37	41
301	329	343	371	413	427	469	497	511
43	47	49/7	53	59	61	67	71	73
539	553	581	623	637	679	707	721	749
77/7	79	83	89	91/7	97	101	103	107
763	791	833	847	889	917	931	959	973
109	113	119/7	121/11	127	131	133/7	137	139
1001	1043	1057	1089	1127	1141	1169	1183	1211
143/11	149	151	157	161/7	163	167	169/13	173

It is not complicated to know the divisible numbers by the prime numbers 7, 11, 13 in the table: 49/7, 77/7, 91/7, 119/7, 121/11, 133/7, 143/11, 161/7, 169/13

Analysis of divisible numbers

In this study, I believe that the analysis of divisible numbers has not been given the importance it deserves. Divisible numbers are considered numbers to be eliminated and perhaps few scholars have examined their composition.

I affirm and demonstrate that the solution of the problem of knowledge of prime numbers is solved by examining the composition of divisible numbers.

To simplify the search for divisible numbers, you can write a list of the first four divisible numbers for prime numbers 11 to 101 with the final number 1, 3, 7, 9.

11	121	143	187	209
13	221	403	247	169
17	391	323	527	289
19	361	703	437	589
23	851	713	667	529
29	841	1073	1247	899
31	961	1333	1147	1829
37	1591	2183	1517	1369
41	1681	1763	1927	2419
43	2021	2623	2537	1849
47	2491	2773	2867	2209
53	3551	3233	3127	2809
59	3481	3953	4307	3599

61	3721	4453	4087	4819
67	4891	5293	4757	4489
71	5041	5183	6887	5609
73	7081	7373	5767	5329
79	6241	7663	6557	7979
83	8051	8383	7387	6889
89	7921	8633	9167	8989
97	9991	10573	9797	9409
101	10201	10403	10807	11009

I continue the table of divisible numbers after 1,211:

1253	1267	1309	1337	1351	1379	1393	1421	1463
179	181	187/11	191	193	197	199	203/7	209/11
1477	1519	1547	1561	1589	1603	1631	1673	1687
211	217/7	221/13	223	227	229	233	239	241
1729	1757	1771	1799	1813	1841	1883	1897	1939
247/13	251	253/11	257	259/7	263	269	271	277
1967	1981	2009	2023	2051	2093	2107	2149	2177
281	283	287/7	289/17	293	299/13	301/7	307	311
2191	2219	2233	2261	2303	2317	2359	2387	2401
313	317	319/11	323/17	329/7	331	337	341/11	343/7
2429	2443	2471	2513	2527	2569	2597	2611	2639
347	349	353	359	361/19	367	371/7	373	377/13
2653	2681	2723	2737	2779	2807	2821	2849	2863
379	383	389	391/17	397	401	403/13	407/11	409
2891	2933	2947	2989	3017	3031	3059	3073	3101
413/7	419	421	427/7	431	433	437/19	439	443

Composition of the divisible numbers of the table:

Divisible by 7: 203, 217, 259, 287, 301,3 29, 343, 371, 413, 427 are composed by the multiplication of the prime number **7 for prime numbers:** 29, 31, 37, 41, 43, 47, 53, 59, 61.

I know 9 prime numbers.

Divisible by 11: 187, 209, 253, 319, 341, 407 are composed by multiplying the prime number 11 by the numbers

Primes: 17, 19, 23, 29, 31, 37 – I know 6 prime numbers.

Divisible numbers are composed of the multiplication of a prime number by other prime or divisible numbers.

It is a confirmation of the importance of the analysis of divisible numbers.

I continue the table of divisible numbers by writing only the result of the division by seven:

449	451/11	457	461	463	467	469/7	473/11
479	481/13	487	491	493/17	497/7	499	503
509	511/7	517/11	521	523	527/17	529/23	533/13
539/7	541	547	551/19	553/7	557	559/13	563
569	571	577	581/7	583/11	587	589/19	593
599	601	607	611/13	613	617	619	623/7
629/17	631	637/7	641	643	647	649/11	653
659	661	667/23	671/11	673	677	679/7	683
689/13	691	697/17	701	703/19	707/7	709	713/23
719	721/7	727	731/17	733	737/11	739	743
749/7	751	757	761	763/7	767/13	769	773
779/19	781/11	787	791/7	793/13	797	799/17	803/11
809	811	817/19	821	823	827	829	833/7
839	841/29	847/7	851/23	853	857	859	863
869/11	871/13	877	881	883	887	889/7	893/19
899/29	901/17	907	911	913/11	917/7	919	923/13
929	931/7	937	941	943/23	947	949/13	953
959/7	961/31	967	971	973/7	977	979/11	983
989/23	991	997	1001/7	1003/17	1007/19	1009	1013

Analysis of numbers divisible by 11: 451, 473, 517, 583, 649, 671, 737, 781, 803, 869, 913, 979

They are composed of the multiplication of the prime number 11 by the prime numbers 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89.

I know 12 other prime numbers

Divisible numbers are composed of the multiplication of a prime number by other prime numbers and also divisible numbers.

The same for 13, 17, 19, 23, 29, 31. I continue the table after 1013.

1019	1021	1027/13	1031	1033	1037/17	1039	1043/7
1049	1051	1057/7	1061	1063	1067/11	1069	1073/29
1079/13	1081/23	1087	1091	1093	1097	1099/7	1103
1109	1111/11	1117	1121/19	1123	1127/7	1129	1133/11
1139/17	1141/7	1147/31	1151	1153	1157/13	1159/19	1163
1169/7	1171	1177/11	1181	1183/7	1187	1189/29	1193
1199/11	1201	1207/17	1211/7	1213	1217	1219/23	1223
1229	1231	1237	1241/17	1243/11	1247/29	1249	1253/7
1259	1261/13	1267/7	1271/31	1273/19	1277	1279	1283
1289	1291	1297	1301	1303	1307	1309/7	1313/13
1319	1321	1327	1331/11	1333/31	1337/7	1339/13	1343/17

1349/19	1351/7	1357/23	1361	1363/29	1367	1369/37	1373
1379/7	1381	1387/19	1391/13	1393/7	1397/11	1399	1403/23
1409	1411/17	1417/13	1421/7	1423	1427	1429	1433
1439	1441/11	1447	1451	1453	1457/31	1459	1463/7
1469/13	1471	1477/7	1481	1483	1487	1489	1493
1499	1501/19	1507/11	1511	1513/17	1517/37	1519/7	1523
1529/11	1531	1537/29	1541/23	1543	1547/7	1549	1553
1559	1561/7	1567	1571	1573/11	1577/19	1579	1583
1589/7	1591/37	1597	1601	1603/7	1607	1609	1613
1619	1621	1627	1631/7	1633/23	1637	1639/11	1643/31
1649/17	1651/13	1657	1661/11	1663	1667	1669	1673/7
1679/23	1681/41	1687/7	1691/19	1693	1697	1699	1703/13
1709	1711/29	1717/17	1721	1723	1727/11	1729/7	1733
1739/37	1741	1747	1751/17	1753	1757/7	1759	1763/41
1769/29	1771/7	1777	1781/13	1783	1787	1789	1793/11
1799/7	1801	1807/13	1811	1813/7	1817/23	1819/17	1823
1829/31	1831	1837/11	1841/7	1843/19	1847	1849/43	1853/17
1859/11	1861	1867	1871	1873	1877	1879	1883/7
1889	1891/31	1897/7	1901	1903/11	1907	1909/23	1913
1919/19	1921/17	1927/41	1931	1933	1937/13	1939/7	1943/29
1949	1951	1957/19	1961/37	1963/13	1967/7	1969/11	1973
1979	1981/7	1987	1991/11	1993	1997	1999	2003
2009/7	2011	2017	2021/43	2023/7	2027	2029	2033/19
2039	2041/13	2047/23	2051/7	2053	2057/11	2059/29	2063
2069	2071/19	2077/31	2081	2083	2087	2089	2093/7
2099	2101/11	2107/7	2111	2113	2117/29	2119/13	2123/11
2129	2131	2137	2141	2143	2147/19	2149/7	2153
2159/17	2161	2167/11	2171/13	2173/41	2177/7	2179	2183/37
2189/11	2191/7	2197/13	2201/31	2203	2207	2209/47	2213
2219/7	2221	2227/17	2231/23	2233/7	2237	2239	2243
2249/13	2251	2257/37	2261/7	2263/31	2267	2269	2273
2279/43	2281	2287	2291/29	2293	2297	2299/11	2303/7
2309	2311	2317/7	2321/11	2323/23	2327/13	2329/17	2333
2339	2341	2347	2351	2353/13	2357	2359/7	2363/17
2369/23	2371	2377	2381	2383	2387/7	2389	2393

Divisible by 11: 1067, 1111, 1133, 1177, 1199, 1243, 1331, 1397, 1441, 1507, 1529, 1573, 1639, 1661, 1727, 1793, 1727, 1793, 1837, 1859, 1903, 1969, 1991, 2057, 2101, 2123, 2167, 2189, 2299, 2321

They are composed of multiplying the prime number 11 by the prime numbers: 97, 101, 103, 107, 109, 113, 127, 131, 137, 139, 149, 151, 157, 163, 167, 169, 173, 179, 181, 187, 191, 193, 197, 199, 197, 199, 209, 211

I know 26 other prime numbers. Divisible numbers are composed of the multiplication of a prime number by other prime numbers. The same for 13, 17, 19, 23, 29, 31, 37, 41, 43, 47 etc.

I continue the table after 2393:

2399	2401/7	2407/29	2411	2413/19	2417	2419/41	2423
2429/7	2431/11	2437	2441	2443/7	2447	2449/31	2453/11
2459	2461/23	2467	2471/7	2473	2477	2479/37	2483/13
2489/19	2491/47	2497/11	2501/41	2503	2507/23	2509/13	2513/7
2519/11	2521	2527/7	2531	2533/17	2537/43	2539	2543
2549	2551	2557	2561/13	2563/11	2567/17	2569/7	2573/31
2579	2581/29	2587/13	2591	2593	2597/7	2599/23	2603/19
2609	2611/7	2617	2621	2623/43	2627/37	2629/11	2633
2639/7	2641/19	2647	2651/11	2653/7	2657	2659	2663
2669/17	2671	2677	2681/7	2683	2687	2689	2693
2699	2701/37	2707	2711	2713	2717/11	2719	2723/7
2729	2731	2737/7	2741	2743/13	2747/41	2749	2753
2759/31	2761/11	2767	2771/17	2773/47	2777	2779/7	2783/11
2789	2791	2797	2801	2803	2807/7	2809/53	2813/29
2819	2821/7	2827/11	2831/19	2833	2837	2839/17	2843
2849/7	2851	2857	2861	2863/7	2867/47	2869/19	2873/13
2879	2881/43	2887	2891/7	2893/11	2897	2899/13	2903
2909	2911/41	2917	2921/23	2923/37	2927	2929/29	2933/7
2939	2941/17	2947/7	2951/13	2953	2957	2959/11	2963
2969	2971	2977/13	2981/11	2983/19	2987/29	2989/7	2993/41
2999	3001	3007/31	3011	3013/23	3017/7	3019	3023
3029/13	3031/7	3037	3041	3043/17	3047/11	3049	3053/43
3059/7	3061	3067	3071/37	3073/7	3077/17	3079	3083
3089	3091/11	3097/19	3101/7	3103/29	3107/13	3109	3113/11
3119	3121	3127/53	3131/31	3133/13	3137	3139/43	3143/7
3149/47	3151/23	3157/7	3161/29	3163	3167	3169	3173/19
3179/11	3181	3187	3191	3193/31	3197/23	3199/7	3203
3209	3211/13	3217	3221	3223/11	3227/7	3229	3233/53
3239/41	3241/7	3247/17	3251	3253	3257	3259	3263/13
3269/7	3271	3277/29	3281/17	3283/7	3287/19	3289/11	3293/37
3299	3301	3307	3311/7	3313	3317/31	3319	3323

3329	3331	3337/47	3341/13	3343	3347	3349/17	3353/7
3359	3361	3367/7	3371	3373	3377/11	3379/31	3383/17
3389	3391	3397/43	3401/19	3403/41	3407	3409/7	3413
3419/13	3421/11	3427/23	3431/47	3433	3437/7	3439/19	3443/11
3449	3451/7	3457	3461	3463	3467	3469	3473/23
3479/7	3481/59	3487/11	3491	3493/7	3497/13	3499	3503/31
3509/11	3511	3517	3521/7	3523/13	3527	3529	3533
3539	3541	3547	3551/53	3553/11	3557	3559	3563/7
3569/43	3571	3577/7	3581	3583	3587/17	3589/37	3593
3599/59	3601/13	3607	3611/23	3613	3617	3619/7	3623
3629/19	3631	3637	3641/11	3643	3647/7	3649/41	3653/13
3659	3661/7	3667/19	3671	3673	3677	3679/13	3683/29
3689/7	3691	3697	3701	3703/7	3707/11	3709	3713/47
3719	3721/61	3727	3731/7	3733	3737/37	3739	3743/19
3749/23	3751/11	3757/13	3761	3763/53	3767	3769	3773/7
3779	3781/19	3787/7	3791/17	3793	3797	3799/29	3803
3809/13	3811/37	3817/11	3821	3823	3827/43	3829/7	3833
3839/11	3841/23	3847	3851	3853	3857/7	3859/17	3863
3869/53	3871/7	3877	3881	3883/11	3887/13	3889	3893/17

List of divisible numbers:

Per 11: 2431, 2453, 2497, 2519, 2563, 2629, 2651, 2717, 2761, 2783, 2827, 2893, 2959, 2981, 3047, 3091, 3113, 3179, 3223, 3289, 3377, 3421, 3443, 3487, 3509, 3553, 3641, 3707, 3751, 3817, 3839.

They are composed of multiplying the prime number 11 by the prime numbers: (there can be numbers divisible by two prime numbers-2431:11, 2431:13-I don't consider them) 223, 227, 229, 233, 239, 241, 251, 257, 263, 269, 271, 277, 281, 283, 293, 307, 311, 313, 317, 331, 337, 347, 349, 353 I know of 24 other prime numbers.

I continue the table after 3893.

3899/7	3901/47	3907	3911	3913/7	3917	3919	3923
3929	3931	3937/31	3941/7	3943	3947	3949/11	3953/59
3959/37	3961/17	3967	3971/11	3973/29	3977/41	3979/23	3983/7
3989	3991/13	3997/7	4001	4003	4007	4009/19	4013
4019	4021	4027	4031/29	4033/37	4037/11	4039/7	4043/13
4049	4051	4057	4061/31	4063/17	4067/7	4069/13	4073
4079	4081/7	4087/61	4091	4093	4097/17	4099	4103/11
4109/7	4111	4117/23	4121/13	4123/7	4127	4129	4133
4139	4141/41	4147/11	4151/7	4153	4157	4159	4163/23
4169/11	4171/43	4177	4181/37	4183/47	4187/53	4189/59	4193/7
4199/13	4201	4207/7	4211	4213/11	4217	4219	4223/41
4229	4231	4237/19	4241	4243	4247/31	4249/7	4253

4259	4261	4267/17	4271	4273	4277/7	4279/11	4283
4289	4291/7	4297	4301/11	4303/13	4307/59	4309/31	4313/19
4319/7	4321/29	4327	4331/61	4333/7	4337	4339	4343/43
4349	4351/19	4357	4361/7	4363	4367/11	4369/17	4373
4379/29	4381/13	4387/41	4391	4393/23	4397	4399/53	4403/7
4409	4411/11	4417/7	4421	4423	4427/19	4429/43	4433/11
4439/23	4441	4447	4451	4453/61	4457	4459/7	4463
4469/41	4471/17	4477/11	4481	4483	4487/7	4489/67	4493
4499/11	4501/7	4507	4511/13	4513	4517	4519	4523
4529/7	4531/23	4537/13	4541/19	4543/7	4547	4549	4553/29
4559/47	4561	4567	4571/7	4573/17	4577/23	4579/19	4583
4589/13	4591	4597	4601/43	4603	4607/17	4609/11	4613/7
4619/31	4621	4627/7	4631/11	4633/41	4637	4639	4643
4649	4651	4657	4661/59	4663	4667/13	4669/7	4673
4679	4681/31	4687/43	4691	4693/13	4697/7	4699/37	4703
4709/17	4711/7	4717/53	4721	4723	4727/29	4729	4733
4739/7	4741/11	4747/47	4751	4753/7	4757/67	4759	4763/11
4769/19	4771/13	4777/17	4781/7	4783	4787	4789	4793
4799	4801	4807/11	4811/17	4813	4817	4819/61	4823/7
4829/11	4831	4837/7	4841/47	4843/29	4847/37	4849/13	4853/23
4859/43	4861	4867/31	4871	4873/11	4877	4879/7	4883/19
4889	4891/67	4897/59	4901/13	4903	4907/7	4909	4913/17
4919	4921/7	4927/13	4931	4933	4937	4939/11	4943
4949/7	4951	4957	4961/11	4963/7	4967	4969	4973
4979/13	4981/17	4987	4991/7	4993	4997/19	4999	5003
5009	5011	5017/29	5021	5023	5027/11	5029/47	5033/7
5039	5041/71	5047/7	5051	5053/31	5057/13	5059	5063/61
5069/37	5071/11	5077	5081	5083/13	5087	5089/7	5093/11
5099	5101	5107	5111/19	5113	5117/7	5119	5123/47
5129/23	5131/7	5137/11	5141/53	5143/37	5147	5149/19	5153
5159/7	5161/13	5167	5171	5173/7	5177/31	5179	5183/71
5189	5191/29	5197	5201/7	5203/11	5207/41	5209	5213/13
5219/17	5221/23	5227	5231	5233	5237	5239/13	5243/7
5249/29	5251/59	5257/7	5261	5263/19	5267/23	5269/11	5273
5279	5281	5287/17	5291/11	5293/67	5297	5299/7	5303
5309	5311/47	5317/13	5321/17	5323	5327/7	5329/73	5333
5339/19	5341/7	5347	5351	5353/53	5357/11	5359/23	5363/31

5369/7	5371/41	5377/19	5381	5383/7	5387	5389/17	5393
5399	5401/11	5407	5411/7	5413	5417	5419	5423/11
5429/61	5431	5437	5441	5443	5447/13	5449	5453/7
5459/53	5461/43	5467/7	5471	5473/13	5477	5479	5483
5489/11	5491/17	5497/23	5501	5503	5507	5509/7	5513/37
5519	5521	5527	5531	5533/11	5537/7	5539/29	5543/23
5549/31	5551/7	5557	5561/67	5563	5567/19	5569	5573
5579/7	5581	5587/37	5591	5593/7	5597/29	5599/11	5603/13
5609/71	5611/31	5617/41	5621/7	5623	5627/17	5629/13	5633/43
5639	5641	5647	5651	5653	5657	5659	5663/7
5669	5671/53	5677/7	5681/13	5683	5687/11	5689	5693
5699/41	5701	5707/13	5711	5713/29	5717	5719/7	5723/59
5729/17	5731/11	5737	5741	5743	5747/7	5749	5753/11
5759/13	5761/7	5767/73	5771/29	5773/23	5777/53	5779	5783
5789/7	5791	5797/11	5801	5803/7	5807	5809/37	5813
5819/11	5821	5827	5831/7	5833/19	5837/13	5839	5843
5849	5851	5857	5861	5863/11	5867	5869	5873/7
5879	5881	5887/7	5891/43	5893/71	5897	5899/17	5903
5909/19	5911/23	5917/61	5921/31	5923	5927	5929/7	5933/17
5939	5941/13	5947/19	5951/11	5953	5957/7	5959/59	5963/67
5969/47	5971/7	5977/43	5981	5983/31	5987	5989/53	5993/13
5999/7	6001/17	6007	6011	6013/7	6017/11	6019/13	6023/19

List of divisible numbers:

Per 11: 3949, 3971, 4037, 4103, 4147, 4169, 4213, 4279, 4301, 4367, 4411, 4433, 4477, 4499, 4609, 4631, 4741, 4763, 4807, 4829, 4873, 4939, 4961, 5027, 5071, 5093, 5137, 5203, 5269, 5291, 5357, 5401, 5423, 5489, 5533, 5599, 5687, 5731, 5753, 5797, 5819, 5863, 5951, 6017.

(Prime numbers for prime numbers: $11 \times 359, 367, 373, 379, 383, 389, 397, 401, 409, 419, 421, 431, 433, 439, 443, 449, 457, 461, 463, 467, 479, 487, 491, 499, 503, 509, 521, 523, 541, 547)$). I know of 30 other prime numbers.

Confirmation of prime number search solution: multiplication of prime numbers by prime numbers.

Perhaps no one has analyzed the composition of divisible numbers and found the solution to easily know prime numbers. I continue the table:

6029	6031/37	6037	6041/7	6043	6047	6049/23	6053
6059/73	6061/11	6067	6071/13	6073	6077/59	6079	6083/7
6089	6091	6097/7	6101	6103/17	6107/31	6109/41	6113
6119/29	6121	6127/11	6131	6133	6137/17	6139/7	6143
6149/11	6151	6157/47	6161/61	6163	6167/7	6169/31	6173
6179/37	6181/7	6187/23	6191/41	6193/11	6197	6199	6203
6209/7	6211	6217	6221	6223/7	6227/13	6229	6233/23

6239/17	6241/79	6247	6251/7	6253/13	6257	6259/11	6263
6269	6271	6277	6281/11	6283/61	6287	6289/19	6293/7
6299	6301	6307/7	6311	6313/59	6317	6319/71	6323
6329	6331/13	6337	6341/17	6343	6347/11	6349/7	6353
6359	6361	6367	6371/23	6373	6377/7	6379	6383/13
6389	6391/7	6397	6401/37	6403/19	6407/43	6409/13	6413/11
6419/7	6421	6427	6431/59	6433/7	6437/41	6439/47	6443/17
6449	6451	6457/11	6461/7	6463/23	6467/29	6469	6473
6479/11	6481	6487/13	6491	6493/43	6497/73	6499/67	6503/7
6509/23	6511/17	6517/7	6521	6523/11	6527/61	6529	6533/47
6539/13	6541/31	6547	6551	6553	6557/79	6559/7	6563
6569	6571	6577	6581	6583/29	6587/7	6589/11	6593/19
6599	6601/7	6607	6611/11	6613/17	6617/13	6619	6623/37
6629/7	6631/19	6637	6641/29	6643/7	6647/17	6649/61	6653
6659	6661	6667/59	6671/7	6673	6677/11	6679	6683/41
6689	6691	6697/37	6701	6703	6707/19	6709	6713/7
6719	6721/11	6727/7	6731/53	6733	6737	6739/23	6743/11
6749/17	6751/43	6757/29	6761	6763	6767/67	6769/7	6773/13
6779	6781	6787/11	6791	6793	6797/7	6799/13	6803
6809/11	6811/7	6817/17	6821/19	6823	6827	6829	6833
6839/7	6841	6847/41	6851/13	6853/7	6857	6859/19	6863
6869	6871	6877/13	6881/7	6883	6887/71	6889/83	6893/61
6899	6901/67	6907	6911	6913/31	6917	6919/11	6923/7
6929/13	6931/29	6937/7	6941/11	6943/53	6947	6949	6953/17
6959	6961	6967	6971	6973/19	6977	6979/7	6983
6989/29	6991	6997	7001	7003/47	7007/7	7009/43	7013
7019	7021/7	7027	7031/79	7033/13	7037/31	7039	7043
7049/7	7051/11	7057	7061/23	7063/7	7067/37	7069	7073/11
7079	7081/73	7087/19	7091/7	7093/41	7097/47	7099/31	7103
7109	7111/13	7117/11	7121	7123/17	7127	7129	7133/7
7139/11	7141/37	7147/7	7151	7153/23	7157/17	7159	7163/13
7169/67	7171/71	7177	7181/43	7183/11	7187	7189/7	7193
7199/23	7201/19	7207	7211	7213	7217/7	7219	7223/31
7229	7231/7	7237	7241/13	7243	7247	7249/11	7253
7259/7	7261/53	7267/13	7271/11	7273/7	7277/19	7279/29	7283
7289/37	7291/23	7297	7301/7	7303/67	7307	7309	7313/71
7319/13	7321	7327/17	7331	7333	7337/11	7339/41	7343/7

7349	7351	7357/7	7361/17	7363/37	7367/53	7369	7373/73
7379/47	7381/11	7387/83	7391/19	7393	7397/13	7399/7	7403/11
7409/31	7411	7417	7421/41	7423/13	7427/7	7429/17	7433
7439/43	7441/7	7447/11	7451	7453/29	7457	7459	7463/17
7469/7	7471/31	7477	7481	7483/7	7487	7489	7493/59
7499	7501/13	7507	7511/7	7513/11	7517	7519/73	7523
7529	7531/17	7537	7541	7543/19	7547	7549	7553/7
7559	7561	7567/7	7571/67	7573	7577	7579/11	7583
7589	7591	7597/71	7601/11	7603	7607	7609/7	7613/23
7619/19	7621	7627/29	7631/13	7633/17	7637/7	7639	7643
7649	7651/7	7657/13	7661/47	7663/79	7667/11	7669	7673
7679/7	7681	7687	7691	7693/7	7697/43	7699	7703
7709/13	7711/11	7717	7721/7	7723	7727	7729/59	7733/11
7739/71	7741	7747/61	7751/23	7753	7757	7759	7763/7
7769/17	7771/19	7777/7	7781/31	7783/43	7787/13	7789	7793
7799/11	7801/29	7807/37	7811/73	7813/13	7817	7819/7	7823
7829	7831/41	7837/17	7841	7843/11	7847/7	7849/47	7853
7859/29	7861/7	7867	7871/17	7873	7877	7879	7883
7889/7	7891/13	7897/53	7901	7903/7	7907	7909/11	7913/41
7919	7921/89	7927	7931/7	7933	7937	7939/17	7943/13
7949	7951	7957/73	7961/19	7963	7967/31	7969/13	7973/7
7979/79	7981/23	7987/7	7991/61	7993	7997/11	7999/19	8003/53

List of divisible numbers:

Per 11: 6061, 6127, 6149, 6193, 6259, 6281, 6347, 6413, 6457, 6479, 6523, 6589, 6611, 6677, 6721, 6743, 6787, 6809, 6919, 6941, 7051, 7073, 7117, 7139, 7183, 7249, 7271, 7337, 7381, 7403, 7447, 7513, 7579, 7601, 7667, 7711, 7733, 7799, 7843, 7909, 7997

Prime numbers for prime numbers: $11 \times 557, 563, 569, 571, 577, 587, 593, 599, 601, 607, 613, 617, 619, 631, 641, 643, 647, 653, 659, 661, 673, 677, 683, 691, 701, 709, 719, 727$. I know of 28 other prime numbers. I continue the table:

8009	8011	8017	8021/13	8023/71	8027/23	8029/7	8033/29
8039	8041/11	8047/13	8051/83	8053	8057/7	8059	8063/11
8069	8071/7	8077/41	8081	8083/59	8087	8089	8093
8099/7	8101	8107/11	8111	8113/7	8117	8119/23	8123
8129/11	8131/47	8137/79	8141/7	8143/17	8147	8149/29	8153/31
8159/41	8161	8167	8171	8173/11	8177/13	8179	8183/7
8189/19	8191	8197/7	8201/59	8203/13	8207/29	8209	8213/43
8219	8221	8227/19	8231	8233	8237	8239/7	8243
8249/73	8251/37	8257/23	8261/11	8263	8267/7	8269	8273

8279/17	8281/7	8287	8291	8293	8297	8299/43	8303/19
8309/7	8311	8317	8321/53	8323/7	8327/11	8329	8333/13
8339/31	8341/19	8347/17	8351/7	8353	8357/61	8359/13	8363
8369	8371/11	8377	8381/17	8383/83	8387	8389	8393/7
8399/37	8401/31	8407/7	8411/13	8413/47	8417/19	8419	8423
8429	8431	8437/11	8441/23	8443	8447	8449/7	8453/79
8459/11	8461	8467	8471/43	8473/37	8477/7	8479/61	8483/17
8489/13	8491/7	8497/29	8501	8503/11	8507/47	8509/67	8513
8519/7	8521	8527	8531/19	8533/7	8537	8539	8543
8549/83	8551/17	8557/43	8561/7	8563	8567/13	8569/11	8573
8579/23	8581	8587/31	8591/11	8593/13	8597	8599	8603/7
8609	8611/79	8617/7	8621/37	8623	8627	8629	8633/89
8639/53	8641	8647	8651/41	8653/17	8657/11	8659/7	8663
8669	8671/13	8677	8681	8683/19	8687/7	8689	8693
8699	8701/7	8707	8711/31	8713	8717/23	8719	8723/11
8729/7	8731	8737	8741	8743/7	8747	8749/13	8753
8759/19	8761	8767/11	8771/7	8773/31	8777/67	8779	8783
8789/11	8791/59	8797/19	8801/13	8803	8807	8809/23	8813/7
8819	8821	8827/7	8831	8833/11	8837	8839	8843/37
8849	8851/53	8857/17	8861	8863	8867	8869/7	8873/19
8879/13	8881/83	8887	8891/17	8893	8897/7	8899/11	8903/29
8909/59	8911/7	8917/37	8921/11	8923	8927/79	8929	8933
8939/7	8941	8947/23	8951	8953/7	8957/13	8959/17	8963
8969	8971	8977/47	8981/7	8983/13	8987/11	8989/89	8993/17
8999	9001	9007	9011	9013	9017/71	9019/29	9023/7
9029	9031/11	9037/7	9041	9043	9047/83	9049	9053/11
9059	9061/13	9067	9071/47	9073/43	9077/29	9079/7	9083/31
9089/61	9091	9097/11	9101/19	9103	9107/7	9109	9113/13
9119/11	9121/7	9127	9131/23	9133	9137	9139/13	9143/41
9149/7	9151	9157	9161	9163/7	9167/89	9169/53	9173
9179/67	9181	9187	9191/7	9193/29	9197/17	9199	9203
9209	9211/61	9217/13	9221	9223/23	9227	9229/11	9233/7
9239	9241	9247/7	9251/11	9253/19	9257	9259/47	9263/59
9269/13	9271/73	9277	9281	9283	9287/37	9289/7	9293
9299/17	9301/71	9307/41	9311	9313/67	9317/7	9319	9323
9329/19	9331/7	9337	9341	9343	9347/13	9349	9353/47
9359/7	9361/11	9367/17	9371	9373/7	9377	9379/83	9383/11

9389/41	9391	9397	9401/7	9403	9407/23	9409/97	9413
9419	9421	9427/11	9431	9433	9437	9439	9443/7
9449/11	9451/13	9457/7	9461	9463	9467	9469/17	9473
9479	9481/19	9487/53	9491	9493/11	9497	9499/7	9503/13
9509/37	9511	9517/31	9521	9523/89	9527/7	9529/13	9533
9539	9541/7	9547	9551	9553/41	9557/19	9559/11	9563/73
9569/7	9571/17	9577/61	9581/11	9583/7	9587	9589/43	9593/53
9599/29	9601	9607/13	9611/7	9613	9617/59	9619	9623
9629	9631	9637/23	9641/31	9643	9647/11	9649	9653/7
9659/13	9661	9667/7	9671/19	9673/17	9677	9679	9683/23
9689	9691/11	9697	9701/89	9703/31	9707/17	9709/7	9713/11
9719	9721	9727/71	9731/37	9733	9737/7	9739	9743
9749	9751/7	9757/11	9761/43	9763/13	9767	9769	9773/29
9779/7	9781	9787	9791	9793/7	9797/97	9799/41	9803
9809/17	9811	9817	9821/7	9823/11	9827/31	9829	9833
9839	9841/13	9847/43	9851	9853/59	9857	9859	9863/7
9869/71	9871	9877/7	9881/41	9883	9887	9889/11	9893/13
9899/19	9901	9907	9911/11	9913/23	9917/47	9919/7	9923
9929	9931	9937/19	9941	9943/61	9947/7	9949	9953/37
9959/23	9961/7	9967	9971/13	9973	9977/11	9979/17	9983/67
9989/7	9991/97	9997/13	10001/73	10003/7	10007	10009	10013/17
10019/43	10021/11	10027/37	10031/7	10033/79	10037	10039	10043/11

List of divisible numbers:

Per 11: 8041, 8063, 8107, 8129, 8173, 8261, 8327, 8371, 8437, 8459, 8503, 8569, 8591, 8657, 8723, 8767, 8789, 8833, 8899, 8921, 8987, 9031, 9053, 9097, 9119, 9229, 9251, 9361, 9383, 9427, 9449, 9493, 9559, 9581, 9647, 9691, 9713, 9713, 9757, 9823, 9889, 9911, 9977, 10021, 10043

Prime numbers for prime numbers: 11 × 733, 739, 743, 751, 757, 761, 769, 773, 787, 797, 809, 811, 821, 823, 827, 829, 839, 853, 857, 859, 863, 877, 881, 883, 887, 907, 911 is 27 prime numbers

In the table, the prime numbers from 8009 to 10039 remain.

As usual, divisible numbers are the result of prime number by prime number.

As they wanted to demonstrate: harmony between divisible and prime numbers.

I didn't write it but there are multiplications of two prime numbers up to $97 \times 97=9409$

Exercise: How to find divisible numbers and consequently prime numbers with numbers divisible only by the prime number seven, the king of numbers.

A table is built starting from the number 77, always adding 14. the table is similar to the first table but does not consider numbers that are divisible by 3.5 and all other prime numbers from seven onwards.

77	91	119	133	161	203	217	259
11	13	17	19	23	29	31	37

287	301	329	371	413	427	469	497
41	43	47	53	59	61	67	71
511	553	581	623	679	707	721	749
73	79	83	89	97	101	103	107
763	791	889	917	959	973	1043	1057
109	113	127	131	137	139	149	151
1099	1141	1169	1211	1253	1267	1337	1351
157	163	167	173	179	181	191	193
1379	1393	1477	1561	1589	1603	1631	1673
197	199	211	223	227	229	233	239
1687	1757	1799	1841	1883	1897	1939	1967
241	251	257	263	269	271	277	281
1981	2051	2149	2177	2191	2219	2317	2359
283	293	307	311	313	317	331	337
2429	2443	2471	2513	2569	2611	2653	2681
347	349	353	359	367	373	379	383
2723	2779	2807	2863	2933	2947	3017	3031
389	397	401	409	419	421	431	433
3073	3101	3143	3199	3227	3241	3269	3353
439	443	449	457	461	463	467	479

Considering only the numbers divisible by seven I find with this table the prime numbers from 11 to 479 with only addition easily eliminating numbers that are not divisible by seven. Continuous the table up to the prime number 1,301.

3409	3437	3493	3521	3563	3647	3661	3787
487	491	499	503	509	521	523	541
3829	3899	3941	3983	3997	4039	4109	4151
547	557	563	569	571	577	587	593
4193	4207	4249	4291	4319	4333	4417	4487
599	601	607	613	617	619	631	641
4501	4529	4571	4613	4627	4711	4739	4781
643	647	653	659	661	673	677	683
4837	4907	4963	5033	5089	5131	5173	5201
691	701	709	719	727	733	739	743
5257	5299	5327	5383	5411	5509	5579	5663
751	757	761	769	773	787	797	809
5677	5747	5761	5789	5803	5873	5971	5999
811	821	823	827	829	839	853	857

6013	6041	6139	6167	6181	6209	6349	6377
859	863	877	881	883	887	907	911
6013	6503	6559	6587	6629	6671	6769	6797
919	929	937	941	947	953	967	971
6839	6881	5937	6979	7063	7091	7133	7147
977	983	991	997	1009	1013	1019	1021
7217	7231	7273	7343	7357	7427	7441	7483
1031	1033	1039	1049	1051	1061	1063	1069
7609	7637	7651	7679	7721	7763	7819	7861
1087	1091	1093	1097	1103	1109	1117	1123
7903	8057	8071	8141	8197	8267	8309	8351
1129	1151	1153	1163	1171	1181	1187	1193
8407	8491	8519	8561	8603	8617	8659	8743
1201	1213	1217	1223	1229	1231	1237	1249
8813	8939	8953	8981	9023	9037	9079	9107
1259	1277	1279	1283	1289	1291	1297	1301

For those who read: Keep finding numbers that are only divisible by seven.

Example $9107+14=9121:7=1303$ Prime number $9121+14=9135$ no $9135+14=9149:7=1307$ Prim 0 $9149+14=9163$ Divisible by 11, no $9163+14=9177$ Divisible by 19 NO $9177+14=9191$ no divisible by 13, $9191+14=9205$ no divisible by 5- $9205+14=9219:7=1317$ divisible by 3 - $9219+14=9233:7=1319$ prime number.

Have a lot of patience

Also for the reader-find the prime and divisible numbers in the table

10049	10051	10057	10061	10063	10067	10069	10073
10079	10081	10087	10091	10093	10097	10099	10103
10109	10111	10117	10121	10123	10127	10129	10133
10139	10141	10147	10151	10153	10157	10159	10163
10169	10171	10177	10181	10183	10187	10189	10193
10199	10201	10207	10211	10213	10217	10219	10223
10229	10231	10237	10241	10243	10247	10249	10253
10259	10261	10267	10271	10273	10277	10279	10283
10289	10291	10297	10301	10303	10307	10309	10313
10319	10321	10327	10331	10333	10337	10339	10343
10349	10351	10357	10361	10363	10367	10369	10373
10379	10381	10387	10391	10393	10397	10399	10403
10409	10411	10417	10421	10423	10427	10429	10433
10439	10441	10447	10451	10453	10457	10459	10463
10469	10471	10477	10481	10483	10487	10489	10493

10499	10501	10507	10511	10513	10517	10519	10523
10529	10531	10537	10541	10543	10547	10549	10553
10559	10561	10567	10571	10573	10577	10579	10583
10589	10591	10597	10601	10603	10607	10609	10613
10619	10621	10627	10631	10633	10637	10639	10643

We ask you not to use pre-written lists of prime numbers and to explain what calculations are made to find the divisible numbers and consequently the prime numbers.

A help: in the magic table 209 is divisible by 11 – to 209 I add $11 \times 10=110$ or even first $1100 \times 8=8800$ and then 110 until I find: $209+8800=9009+(10 \times 110=1100)=10109/11$.