PRIME NUMBERS, FINDING THEM ALL WITH A METHOD BASED ON DIVISIBLE NUMBERS (using only additions and not divisions)

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Abstract: This study on prime numbers presents a method that allows us to know divisible numbers without performing complex calculations. It is based on a simple calculation system using additions of numbers instead of divisions, and it enables finding all divisible numbers. By eliminating them, we can identify all prime numbers.

DESCRIPTION OF THE CALCULATION SYSTEM THAT ALLOWS THE KNOWLEDGE OF PRIME NUMBERS

Before describing the proposed calculation system, let's remember the characteristics of natural numbers. Numbers are divided into even or odd, an intuitive concept. Even numbers are all divisible and, as is taught from primary school, are multiples of two. They have a regular distribution and a fixed progression rule since the distance between them is equal to the number considered.

Example of regular distribution:

Starting from 2: 2,4,6,8,10,12,14,16,18 etc. All even numbers at a distance of two.

Example of fixed progression:

The numbers divisible by 4 are at a distance of 4:

4+4=8+4=12+4=16+4=20+4=24 etc. (4,8,12,16,20,24,28, etc.)

The numbers divisible by 12 are at a distance of 12:

12+12=24+12=36+12=48 etc. (12,24,36,48, etc.)

Odd numbers can be divisible and also non-divisible.

The distance of an odd number divisible from the previous odd number is equal to twice the number considered or at a variable distance.

Some examples starting from the odd number 3.

After the number 3, the next odd number divisible by 3 is distant from 3 by twice the number 3

3+6=9+6=15+6=21 etc.

The next odd number divisible by 5 is distant from 5 by a variable distance.

5+20=25+10=35+20=55+10=65 etc.

Some odd numbers written in progression are not divisible:

3,5,7,11,13,17,19,23

Hence the need arose to distinguish the divisible odd numbers from those not divisible.

The indivisible numbers have been called prime numbers, and it has always been very difficult to find a method to know them.

The problem has never been completely solved, and a solution continues to be very difficult.

Historically one of the first methods to know prime numbers is attributed to Eratosthenes of Cyrene.

A table is constructed with all natural numbers from 1 to 100, all those that are multiples of two are eliminated, then those that are multiples of three, then those that are multiples of five and seven.
The remaining numbers are all prime numbers.
Examining this system revealed that prime numbers are unpredictable; there are no rules related to their appearance in the sequence of natural numbers.
Subsequently, in the history of prime numbers, there have been numerous scholars.
We remember: Mersenne, Pierre de Fermat, Leonhard Euler, Christian Goldbach, John Napier, Friederich Gauss, Bernhard Riemann and others.
The question that was attempted to answer in the study of prime numbers is:
how can it be determined with certainty if a number is prime?
The most reliable method is to divide the number by all the numbers that precede it. If it is not divisible by any of the preceding numbers, the number is certainly a prime number.
It has always been difficult to use this method when examining many numbers and for very large numbers even using computer methods.
Given the difficulty of finding a method to know prime numbers, a collaboration was born between two neighbors to try to understand how to know prime numbers in a set of odd numbers.

EXAMINATION OF THE PROPOSED METHOD.

In this study, particular importance was given to the prime number 7 because this number, considered the king of numbers, has very close links with all other numbers.
Since ancient times, 7 has fascinated men. It was divided into its constituent principles: the spiritual three and the material four.
It manifests in every aspect of human life as it tends to implement all things, dispenses life, and is the source of all change (for example, the Moon also changes its phases every seven days).
It is present in the old and new testament in relation to the seven days of creation, in the Apocalypse the seven seals are opened, seven missives are sent to the seven communities, seven trumpets introduce the Apocalypse with the dissolution of the Earth.
The number 7 is present in other areas: 7 are the arms of the Jewish candelabrum, 7 the years necessary for the body to regenerate, 7 the cervical vertebrae, 7 the frequency bands into which the rainbow is divided at the chromatic level, 7 the musical notes, 7 the days of the week, 7 the wonders of the world, 7 the kings of Rome, 7 the number of completeness in Buddhism, 7 the fundamental attributes of Allah so much so that it is true that the number 7 is the number of perfection in Islam, 7 the Sacraments, 7 the works of mercy, 7 the gifts of the Holy Spirit, 7 the capital vices.
Seven is a dispenser of life and the possibility of change.
The current era seems lacking in the ability to change, man is very attached to matter, we live in an era characterized by great discoveries and inventions but the use that has been made of these inventions has made selfishness and the distinction between men prevail. The weakest are often excluded, and the war of the strongest to impose their own way of life is increasingly likely.

DEVELOPMENT OF THE NEW SYSTEM

Greater importance was given in the study of prime numbers to the idea of finding a method to know all the naturally divisible odd numbers because if you manage to find them all, in a series of numbers, it is certain that all the other numbers that make up the number series are prime numbers.
The search for divisible numbers in a number series begins with the square of the smallest odd number in the series.
For example, in a series of odd numbers starting from 3, the divisible numbers start from the square of the number 3 which is 9 being 3 the smallest number in the series. It is certain that before 9

there are no numbers divisible by 3. Odd divisible numbers all start from the square of the smaller number, so the first number from which the search for divisible numbers begins becomes larger and larger as the numbers increase. After finding all the divisible numbers, it is certain that those that remain are all prime numbers.
The distance between divisible numbers is certain only for the first two successive numbers, then it varies.
For example, after 25 the next number divisible by 5 is the odd number 35 with a distance of 10 from 25. The next number 45 is divisible by 3 and so the next number divisible by 5 which is 55 is 20 away from the previous one.
To find prime numbers in a series of odd numbers, it was decided to write a series of numbers, to eliminate divisible numbers, the numbers that remain are prime numbers.
Example: series of odd numbers from 9 to 55:
9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55
Numbers divisible by 3: 9 15 21 27 33 39 45 51
Numbers divisible by 5: 25 35 55
Number divisible by 7: 49
The remaining numbers are prime numbers: 11 13 17 19 23 29 31 37 41 43 47 53
It is simpler to find divisible or prime numbers by knowing the distance between them, rather than dividing the numbers. This avoids the need for complex calculations. Therefore, we decided to examine numbers divisible by prime numbers from 7 onwards to see if it was possible to find a repeatable regular distance between them.
Our research allowed us to establish that only numbers divisible by 7, which we consider the king of numbers, have a distance that repeats regularly. Starting the calculations from number 77, the second number divisible by 7 after 49, the numbers divisible by 7 are at a regular distance that repeats and allows us to find all numbers divisible by 7.
The distances, starting from 77, are: 14,28,14,28,42,14,42,28. We add these numbers in succession and then repeat them always in the same order.
For example,
77+14=91+28=119+14=133+28=161+42=203+14=217+42=259+28=287
If we divide numbers from 77 onwards by seven we get:
77:7=11, 91:7=13, 119:7=17, 133:7=19, 161:7=23, 203:7=29, 217:7=31, 259:7=37, 287:7=41

We can then write a table of four initial numbers with these numbers, ending with numbers 1,3,7,9. These numbers are at a distance of 10/20 from each other. The divisible numbers in the table are at a distance from each other of prime number multiplied by 10, once or more times.
To simplify calculations, we create tables (attached) that list divisible numbers for prime numbers from 7 to 97. In the table, knowing the divisible numbers, we can see by which prime number the divisible number is divided. No calculation is needed, and all prime numbers are found - they are the remaining numbers in the table.
The divisible numbers for a prime number are found starting from the square of the prime number being considered. Then we find its divisible numbers ending with 1,3,7,9 by adding double the prime number to the square of the prime number, checking that it is not divisible by a lower prime number. For example, with 11: the square of 11 is 121. The other divisible numbers are:
121+22=143, then 143+22=165 (a divisible number), then 165+22=187, then 187+22=209.
We add 110 one or more times to the four divisible numbers and find all the numbers divisible by 11. As we can see, divisible numbers are at a distance of prime number multiplied by 10, once or more times. They are easily identifiable. (49-119, 91-161, 133-203,143-253,77-217,ecc.)

PRIME	DIVISIBLE	PRIME	DIVISIBLE	PRIME	DIVISIBLE	PRIME	DIVISIBLE
11		13		17		19	
31		23		37		29	
41		43		47			49D7
61		53		67		59	
71		73			77 D7	79	
	91 D7	83		97		89	
101		103		107		109	
	121 D11	113		127			119 D7
131			133 D7	137		139	
151			143 D11	157		149	
	161 D7	163		167			169 D13
181		173			187 D11	179	
191		193		197		199	
211			203 D7		217 D7		209 D11
	221 D13	223		227		229	
241		233			247 D13	239	
251			253 D11	257			259 D7
271		263		277		269	
281		283			287 D7		289 D17
	301 D7	293		307			299 D13
311		313		317			319 D11
331			323 D17	337			329 D7
	341 D11		343 D7	347		349	
	361 D19	353		367		359	
	371 D7	373			377 D13	379	
	391 D17	383		397		389	
401			403 D13		407 D11	409	
421			413 D7		427 D7	419	
431		433			437 D19	439	
	451 D11	443		457		449	
461		463		467			469 D7
	481 D13		473 11	487		479	
491			493 D17		497 D7	499	
	511 D7	503			517 D11	509	
521		523			527 D17		529 D23
541			533 D13	547			539 D7
	551 19		553 D7	557			559 D13
571		563		577		569	
	581 D7		583 D11	587			589 D19
601		593		607		599	
	611 D13	613		617		619	
631			623 D7		637 D7		629 D17
641		643		647			649 D11
661		653			667 D23	659	
	671 D11	673		677			679 D7
691		683			697 D17		689 D13
701			703 D19		707 D7	709	

	721 D7		713 D23	727		719	
	731 D17	733			737 D11	739	
751		743		757			749 D7
761			763 D7		767 D13	769	
	781 D11	773		787			779 D19
	791 D7		793 D13	797			799 D17
811			803 D11		817 D19	809	
821		823		827		829	
	841 D29		833 D7		847 D7	839	
	851 D23	853		857		859	
	871 D13	863		877			869 D11
881		883		887			889 D7
	901 D17		893 D19	907			899 D29
911			913 D11		917 D7	919	
	931 D7		923 D13	937		929	
941			943 D23	947			949 D13
	961 D31	953		967			959 D7
971			973 D7	977			979 D11
991		983		997			989 D23
	1001 D7		1003 D17		1007 D19	1009	
1021		1013			1027 D13	1019	
1031		1033			1037 D17	1039	
1051			1043 D7		1057 D7	1049	
1061		1063			1067 D11	1069	
	1081 D23		1073 D29	1087			1079 D13
1091		1093		1097			1099 D7
	1111 D11	1103		1117		1109	
	1121 D19	1123			1127 D7	1129	
	1141 D7		1133 D11		1147 D31		1139 D17
1151		1153			1157 D13		1159 D19
1171		1163			1177 D11		1169 D7
1181			1183 D7	1187			1189 D29
1201		1193			1207 D17		1199 D11
	1211 D7	1213		1217			1219 D23
1231		1223		1237		1229	
	1241 D17		1243 D11		1247 D29	1249	
	1261 D13		1253 D7		1267 D7	1259	
	1271 D31		1273 D19	1277		1279	
1291		1283		1297		1289	
1301		1303		1307			1309 D7
1321			1313 D13	1327		1319	
	1331 D11		1333 D31		1337 D7		1339 D13
	1351 D7		1343 D17		1357 D23		1349 D19
1361			1363 D29	1367			1369 D 37
1381		1373			1387 D19		1379 D7
	1391 D13		1393 D7		1397 D11	1399	
	1411 D17		1403 D23		1417 D13	1409	
	1421 D7	1423		1427		1429	

	1441 D11	1433		1447		1439	
1451		1453			1457 D31	1459	
1471			1463 D7		1477 D7		1469 D13
1481		1483		1487		1489	
	1501 D19	1493			1507 D11	1499	
1511			1513 D17		1517 D37		1519 D7
1531		1523			1537 D29		1529 D11
	1541D23	1543			1547 D7	1549	
	1561 D7	1553		1567		1559	
1571			1573 D11		1577 D19	1579	
	1591 D37	1583		1597			1589 D7
1601			1603 D7	1607		1609	
1621		1613		1627		1619	
	1631 D7		1633 D23	1637			1639 D11
	1651 D13		1643 D31	1657			1649 D17
	1661 D11	1663		1667		1669	
	1681 D41		1673 D7		1687 D7		1679 D23
	1691 D19	1693		1697		1699	
	1711 D29		1703 D13		1717 D17	1709	
1721		1723			1727 D11		1729 D7
1741		1733		1747			1739 D37
	1751 D17	1753			1757 D7	1759	
	1771 D7		1763 D41	1777			1769 D29
	1781 D13	1783		1787		1789	
1801			1793 D11		1807 D13		1799 D7
1811			1813 D7		1817 D23		1819 D17
1831		1823			1837 D11		1829 D31
	1841 D7		1843 D19	1847			1849 D43
1861			1853 D17	1867			1859 D11
1871		1873		1877		1879	
	1891 D31		1883 D7		1897 D7	1889	
1901			1903 D11	1907			1909 D23
	1921 D17	1913			1927 D41		1919 D19
1931		1933			1937 D13		1939 D7
1951			1943 D29		1957 D19	1949	
	1961 D37		1963 D13		1967 D7		1969 D11
	1981 D7	1973		1987		1979	
	1991 D11	1993		1997		1999	
2011		2003		2017			2009 D7
	2021 D43		2023 D7	2027		2029	
	2041 D13		2033 D19		2047 D 23	2039	
	2051 D7	2053			2057 D11		2059 D29
	2071 D19	2063			2077 D31	2069	
2081		2083		2087		2089	
	2101 D11		2093 D7		2107 D7	2099	
2111		2113			2117 D29		2119 D13
2131			2123 D11	2137		2129	
2141		2143			2147 D19		2149 D7

2161		2153			2167 D11		2159 D17
	2171 D13		2173 D41		2177 D7	2179	
	2191 D7		2183 D37		2197 D13		2189 D11
	2201 D31	2203		2207			2209 D47
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2861			2863 D7		2867 D47		2869 D19

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	2891 D7		2893 D11	2897			2899D13
	2911 D41	2903		2917		2909	
	2921 D23		2923 D37	2927			2929 D29
	2941 D17		2933 D7		2947 D7	2939	
	2951 D13	2953		2957			2959 D11
2971		2963			2977 D13	2969	
	2981 D11		2983 D19		2987 D29		2989 D7

3001 2993 D41 3007 D31 2999

3011			3013 D23		3017 D7	3019	
	3031 D7	3023		3037			3029 D13
3041			3043 D17		3047D11	3049	
3061			3053 D43	3067			3059 D7
	3071 D37		3073 D7		3077D17	3079	
	3091 D11	3083			3097D19	3089	
	3101 D7		3103 D29		3107D13	3109	
3121			3113 D11		3127D53	3119	
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	3151 D23		3143 D7		3157D7		3149 D47
	3161 D29	3163		3167		3169	
3181			3173 D19	3187			3179 D11
3191			3193 D31		3197D23		3199 D7
	3211 D13	3203		3217		3209	
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	3281 D17		3283 D7		3287D19		3289 D11
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	3341 D13	3343		3347			3349 D17
3361			3353 D7		3367D7	3359	
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3391			3383 D17		3397D43	3389	
	3401 D19		3403 D41	3407			3409 D7
	3421 D11	3413			3427D23		3419 D13
	3431 D47	3433			3437D7		3439 D19
	3451 D7		3443 D11	3457		3449	
3461		3463		3467		3469	
	3481 D59		3473 D23		3487D11		3479D7
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3511			3503 D31	3517			3509 D11
	3521 D7		3523 D13	3527		3529	
3541		3533		3547		3539	
	3551 D53		3553 D11	3557		3559	
3571			3563 D7		3577 D7		3569 D43
3581		3583			3587D17		3589 D37

	3601 D13	3593		3607			3599 D59
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	3661 D7		3653 D13		3667D19	3659	
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	3731 D7	3733			3737D37	3739	
	3751 D11		3743 D19		3757D13		3749 D23
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	3811 D37	3803			3817D11		3809 D13
3821		3823			3827D43		3829 D7
	3841 D23	3833		3847			3839 D11
3851		3853			3857 D7		3859 D17
	3871 D7	3863		3877			3869 D53
3881			3883 D11		3887D13	3889	
	3901 D47		3893 D17	3907			3899 D7
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3931		3923			3937D31	3929	
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	3961 D17		3953 D59	3967			3959 D37
	3971 D11		3973 D29		3977D41		3879D23
	3991 D13		3983 D7		3997 D7	3989	
4001		4003		4007			4009 D19
4021		4013		4027		4019	
	4031 D29		4033 D37		4037D11		4039 D7
4051			4043 D13	4057		4049	
	4061 D31		4063 D17		4067 D7		4069 D13
	4081 D7	4073			4087D61	4079	
4091		4093			4097D17	4099	
4111			4103 D11		4117D23		4109 D7
	4121 D13		4123 D7	4127		4129	
	4141 D41	4133			4147D11	4139	
	4151 D7	4153		4157		4159	
	4171 D43		4163 D23	4177			4169 D11
	4181 D37		4183 D47		4187D53		4189 D59
4201			4193 D7		4207 D7		4199 D13
4211			4213 D11	4217		4219	
4231			4223 D41		4237D19	4229	
4241		4243			4247D31		4249 D7
4261		4253			4267D17	4259	
4271		4273			4277 D7		4279 D11
	4291 D7	4283		4297		4289	
	4301 D11		4303 D13		4307D59		4309 D31

	4321 D29		4313 D19	4327			4319 D7
	4331 D61		4333 D7	4337		4339	
	4351 D19		4343 D43	4357		4349	
	4361 D7	4363			4367D11		4369 D17
	4381 D13	4373			4387D41		4379D29
4391			4393 D23	4397			4399 D53
	4411 D11		4403 D7		4417 D7	4409	
4421		4423			4427D19		4429 D43
4441			4433 D11	4447			4439 D23
4451			4453 D61	4457			4459 D7
	4471 D17	4463			4477D11		4469D41
4481		4483			4487 D7		4489 D67
	4501 D7	4493		4507			4499 D11
	4511 D13	4513		4517		4519	
	4531 D23	4523			4537D13		4529D7
	4541 D19		4543 D7	4547		4549	
4561			4553 D29	4567			4559 D47
	4571 D7		4573 D17		4577D23		4579D19
4591		4583		4597			4589 D13
	4601 D43	4603			4607D17		4609 D11
4621			4613 D7		4627 D7		4619 D31
	4631 D11		4633 D41	4637		4639	
4651		4643		4657		4649	
	4661 D59	4663			4667D13		4669 D7
	4681 D31	4673			4687D43	4679	
4691			4693 D13		4697 D7		4699 D37
	4711 D7	4703			4717D53		4709 D17
4721		4723			4727D29	4729	
	4741 D11	4733			4747D47		4739 D7
4751			4753 D7		4757D67	4759	
	4771 D13		4763 D11		4777D17		4769D19
	4781 D7	4783		4787		4789	
4801		4793			4807D11	4799	
	4811 D17	4813		4817			4819D61
4831			4823 D7		4837 D7		4829 D11
	4841 D47		4843 D29		4847D37		4849D13
4861			4853 D23		4867D31		4859D43
4871			4873 D11	4877			4879 D7
	4891 D67		4883 D19		4897D59	4889	
	4901 D13	4903			4907 D7	4809	
	4921 D7		4913 D17		4927D13	4919	
4931		4933		4937			4939 D11
4951		4943		4957			4949 D7
	4961 D11		4963 D7	4967		4969	
	4981 D17	4973		4987			4979 D13
	4991 D7	4993			4997D19	4999	
5011		5003			5017D29	5009	
5021		5023			5027D11		5029D47

	5041 D71		5033 D7		5047 D7	5039	
5051			5053 D31		5057D13	5059	
	5071 D11		5063 D61	5077			5069 D37
5081			5083 D13	5087			5089 D7
5101			5093 D11	5107		5099	
	5111 D19	5113			5117 D7	5119	
	5131 D7		5123 D47		5137D11		5129 D23
	5141 D53		5143 D37	5147			5149 D19
	5161 D13	5153		5167			5159 D7
5171			5173 D7		5177D31	5179	
	5191 D29		5183 D71	5197		5189	
	5201 D7		5203 D11		5207D41	5209	
	5221 D23		5213 D13	5227			5219 D17
5231		5233		5237			5239 D13
	5251 D59		5243 D7		5257 D7		5249 D29
5261			5263 D19		5267D23		5269 D11
5281		5273			5287D17	5279	
	5291 D11		5293 D67	5297			5299 D7
	5311 D47	5303			5317D13	5309	
	5321 D17	5323			5327D7		5329 D73
	5341 D7	5333		5347			5339 D19
5351			5353 D53		5357D11		5359 D23
	5371 D41		5363 D31		5377D19		5369 D7
5381			5383 D7	5387			5389 D17
	5401 D11	5393		5407		5399	
	5411 D7	5413		5417		5419	
5431			5423 D11	5437			5429 D61
5441		5443			5447D13	5449	
	5461 D43		5453 D7		5467 D7		5459 D53
5471			5473 D13	5477		5479	
	5491 D17	5483			5497D23		5489 D11
5501		5503		5507			5509 D7
5521			5513 D37	5527		5519	
5531			5533 D11		5537 D7		5539 D29
	5551 D7		5543 D23	5557			5549 D31
	5561 D67	5563			5567D19	5569	
5581		5573			5587D37		5579 D7
5591			5593 D7		5597D29		5599 D11
	5611D31		5603 D13		5617D41		5609 D71
	5621 D7	5623			5627D17		5629D13
5641			5633 D43	5647		5639	
5651		5653		5657		5659	
	5671 D53		5663 D7		5677D7	5669	
	5681 D13	5683			5687D11	5689	
5701		5693			5707D13		5699 D41
5711			5713 D29	5717			5719 D7
	5731 D11		5723 D59	5737			5729 D17
5741		5743			5747 D7	5749	

	5761 D7		5753 D11		5767D73		5759 D13
	5771 D29		5773 D23		5777D53	5779	
5791		5783			5797D11		5789 D7
5801			5803 D7	5807			5809 D37
5821		5813		5827			5819 D11
	5831 D7		5833 D19		5837D13	5839	
5851		5843		5857		5849	
5861			5863 D11	5867		5869	
5881			5873 D7		5887 D7	5879	
	5891 D43		5893 D71	5897			5899 D17
	5911 D23	5903			5917D61		5909 D19
	5921 D31	5923		5927			5929 D7
	5941 D13		5933 D17		5947D19	5939	
	5951 D11	5953			5957 D7		5959 D59
	5971 D7		5963 D67		5977D43		5969 D47
5981			5983 D31	5987			5989 D53
	6001 D17		5993 D13	6007			5999 D7
6011			6013 D7		6017D11		6019 D13
	6031 D37		6023 D19	6037		6029	
	6041 D7	6043		6047			6049 D23
	6061 D11	6053		6067			6059 D73
	6071 D13	6073			6077D59	6079	
6091			6083 D7		6097D7	6089	
6101			6103 D17		6107D31		6109 D41
6121		6113			6127D11		6119 D29
6131		6133			6137D17		6139 D7
6151		6143			6157D47		6149 D11
	6161 D61	6163			6167 D7		6169 D31
	6181 D7	6173			6187D23		6179 D37
	6191 D41		6193 D11	6197		6199	
6211		6203		6217			6209 D7
6221			6223 D7		6227D13	6229	
	6241 D79		6233 D23	6247			6239 D17
	6251 D7		6253 D13	6257			6259 D11
6271		6263		6277		6269	
	6281 D11		6283 D61	6287			6289 D19
6301			6293 D7		6307 D7	6299	
6311			6313 D59	6317			6319 D71
	6331 D13	6323		6337		6329	
	6341 D17	6343			6347D11		6349 D7
6361		6353		6367		6359	
	6371 D23	6373			6377 D7	6379	
	6391 D7		6383 D13	6397		6389	
	6401 D37		6403 D19		6407D43		6409 D13
6421			6413 D11	6427			6419 D7
	6431 D59		6433 D7		6437D41		6439 D47
6451			6443 D17		6457D11	6449	
	6461 D7		6463 D23		6467D29	6469	

6481		6473			6487D13		6479D11
6491			6493 D43		6497D73		6499D67
	6511 D17		6503 D7		6517D7		6509 D23
6521			6523 D11		6527D61	6529	
	6541 D31		6533 D47	6547			6539D13
6551		6553			6557D79		6559D7
6571		6563		6577		6569	
6581			6583 D29		6587D7		6589D11
	6601 D7		6593 D19	6607		6599	
	6611 D11		6613 D17		6617D13	6619	
	6631 D19		6623 D37	6637			6629 D7
	6641 D29		6643 D7		6647D17		6649 D61
6661		6653			6667D59	6659	
	6671 D7	6673			6677D11	6679	
6691			6683 D41		6697D37	6689	
6701		6703			6707D19	6709	
	6721 D11		6713 D7		6727D7	6719	
	6731 D53	6733		6737			6739 D23
	6751 D43		6743 D11		6757D29		6749 D17
6761		6763			6767D67		6769 D7
6781			6773 D13		6787D11	6779	
6791		6793			6797D7		6799 D13
	6811 D7	6803			6817D17		6809 D11
	6821 D19	6823		6827		6829	
6841		6833			6847D41		6839 D7
	6851 D13		6853 D7	6857			6859 D19
6871		6863			6877D13	6869	
	6881 D7	6883			6887D71		6889 D83
	6901 D67		6893 D61	6907		6899	
6911			6913 D31	6917			6919 D11
	6931 D29		6923 D7		6937D7		6929 D13
	6941 D11		6943 D53	6947		6949	
6961			6953 D17	6967		6959	
6971			6973 D19	6977			6979 D7
6991		6983		6997			6989 D29
7001			7003 D47		7007D7		7009 D43
	7021 D7	7013		7027		7019	
	7031 D79		7033 D13		7037D31	7039	
	7051 D11	7043		7057			7049 D7
	7061 D23		7063 D7		7067D37	7069	
	7081 D73		7073 D11		7087D19	7079	
	7091 D7		7093 D41		7097D47		7099D31
	7111 D13	7103			7117D11	7109	
7121			7123 D17	7127		7129	
	7141 D37		7133 D7		7147D7		7139 D11
7151			7153 D23		7157D17	7159	
	7171 D71		7163 D13	7177			7169 D67
	7181 D43		7183 D11	7187			7189 D7

	7201 D19	7193		7207			7199 D23
7211		7213			7217D7	7219	
	7231 D7		7223 D31	7237		7229	
	7241 D13	7243		7247			7249 D11
	7261 D53	7253			7267D13		7259 D7
	7271 D11		7273 D7		7277D19		7279 D29
	7291 D23	7283		7297			7289 D37
	7301 D7		7303 D67	7307		7309	
7321			7313 D71		7327D17		7319 D13
7331		7333			7337D11		7339 D41
7351			7343 D7		7357D7	7349	
	7361 D17		7363 D37		7367D53	7369	
	7381 D11		7373 D73		7387D83		7379 D47
	7391 D19	7393			7397D13		7399 D7
7411			7403 D11	7417			7409 D31
	7421 D41		7423 D13		7427D7		7429 D17
	7441 D7	7433			7447D11		7439 D43
7451			7453 D29	7457		7459	
	7471 D31		7463 D17	7477			7469 D7
7481			7483 D7	7487		7489	
	7501 D13		7493 D59	7507		7499	
	7511 D7		7513 D11	7517			7519 D73
	7531 D17	7523		7537		7529	
7541			7543 D19	7547		7549	
7561			7553 D7		7567D7	7559	
	7571 D67	7573		7577			7579 D11
7591		7583			7597D71	7589	
	7601 D11	7603		7607			7609 D7
7621			7613 D23		7627D29		7619 D19
	7631 D13		7633 D17		7637D7	7639	
	7651 D7	7643			7657D13	7649	
	7661 D47		7663 D79		7667D11	7669	
7681		7673		7687			7679 D7
7691			7693 D7		7697D43	7699	
	7711 D11	7703		7717			7709 D13
	7721 D7	7723		7727			7729 D59
7741			7733 D11		7747D61		7739 D71
	7751 D23	7753		7757		7759	
	7771 D19		7763 D7		7777D7		7769 D17
	7781 D31		7783 D43		7787D13	7789	
	7801 D29	7793			7807D37		7799D11
	7811 D73		7813 D13	7817			7819 D7
	7831 D41	7823			7837D17	7829	
7841			7843 D11		7847D7		7849 D47
	7861 D7	7853		7867			7859 D29
	7871 D17	7873		7877		7879	
	7891 D13	7883			7897D53		7889 D7
7901			7903 D7	7907			7909 D11

	7921 D89		7913 D41	7927		7919	
	7931 D7	7933		7937			7939 D17
7951			7943 D13		7957D73	7949	
	7961 D19	7963			7967D31		7969 D13
	7981 D23		7973 D7		7987 D7		7979 D79
	7991 D61	7993			7997D11		7999 D19
8011			8003 D53	8017		8009	
	8021 D13		8023 D71		8027D23		8029 D7
	8041 D11		8033 D29		8047D13	8039	
	8051 D83	8053			8057D7	8059	
	8071 D7		8063 D11		8077D41	8069	
8081			8083 D59	8087		8089	
8101		8093			8107D11		8099 D7
8111			8113 D7	8117			8119 D23
	8131 D47	8123			8137D79		8129 D11
	8141 D7		8143 D17	8147			8149 D29
8161			8153 D31	8167			8159 D41
8171			8173 D11		8177D13	8179	
8191			8183 D7		8197 D7		8189 D19
	8201 D59		8203 D13		8207D29	8209	
8221			8213 D43		8227D19	8219	
8231		8233		8237			8239 D7
	8251 D37	8243			8257D23		8249 D73
	8261 D11	8263			8267 D7	8269	
	8281 D7	8273		8287			8279 D17
8291		8293		8297			8299 D43
8311			8303 D19	8317			8309 D7
	8321 D53		8323 D7		8327D11	8329	
	8341 D19		8333 D13		8347D17		8339 D31
	8351 D7	8353			8357D61		8359 D13
	8371 D11	8363		8377		8369	
	8381 D17		8383 D83	8387		8389	
	8401 D31		8393 D7		8407 D7		8399 D37
	8411 D13		8413 D47		8417D19	8419	
8431		8423			8437D11	8429	
	8441 D23	8443		8447			8449 D7
8461			8453 D79	8467			8459 D11
	8471 D43		8473 D37		8477 D7		8479 D61
	8491 D7		8483 D17		8497D29		8489 D13
8501			8503 D11		8507D47		8509 D67
8521		8513		8527			8519 D7
	8531 D19		8533 D7	8537		8539	
|	| 8551 D17	| 8543	|	|	| 8557 D43 |		|8549 D83

	8561 D7	8563			8567 D13		8569 D11
8581		8573			8587 D31		8579 D23
	8591 D11		8593 D13	8597		8599	
	8611 D79		8603 D7		8617 D7	8609	
	8621 D37	8623		8627		8629	

8641			8633 D89	8647			8639 D53
	8651 D41		8653 D17		8657D11		8659 D7
	8671 D13	8663		8677		8669	
8681			8683 D19		8687 D7	8689	
	8701 D7	8693		8707		8699	
	8711 D31	8713			8717D23	8719	
8731			8723 D11	8737			8729 D7
8741			8743 D7	8747			8749 D13
8761		8753			8767D11		8759 D19
	8771 D7		8773 D31		8777D67	8779	
	8791 D59	8783			8797D19		8789 D11
	8801 D13	8803		8807			8809 D23
8821			8813 D7		8827D7	8819	
8831			8833 D11	8837		8839	
	8851 D53		8843 D37		8857D17	8849	
8861		8863		8867			8869 D7
	8881 D83		8873 D19	8887			8879 D13
	8891 D17	8893			8897 D7		8899 D11
	8911 D7		8903 D29		8917 D37		8909 D59
	8921 D11	8923			8927 D79	8929	
8941		8933			8947 D23		8939 D7
8951			8953 D7		8957 D13		8959 D17
8971		8963			8977 D47	8969	
	8981 D7		8983 D13		8987 D11		8989 D89
9001			8993 D17	9007		8999	
9011		9013			9017 D71		9019 D29
	9031 D11		9023 D7		9037 D7	9029	
9041		9043			9047 D83	9049	
	9061 D13		9053 D11	9067		9059	
	9071 D47		9073 D43		9077 D29		9079 D7
9091			9083 D31		9097 D11		9089 D61
	9101 D19	9103			9107 D7	9109	
	9121 D7		9113 D13	9127			9119 D11
	9131 D23	9133		9137			9139 D13
9151			9143 D41	9157			9149 D7
9161			9163 D7		9167 D89		9169 D53
9181		9173		9187			9179 D67
	9191 D7		9193 D29		9197 D17	9199	
	9211 D61	9203			9217 D13	9209	
9221			9223 D23	9227			9229 D11
9241			9233 D7		9247 D7	9239	
	9251 D11		9253 D19	9257			9259 D47
	9271 D73		9263 D59	9277			9269 D13
9281		9283			9287 D37		9289 D7
	9301 D71	9293			9307 D41		9299 D17
9311			9313 D67		9317 D7	9319	
	9331D7	9323		9337			9329 D19
9341		9343			9347 D13	9349	

	9361 D11						

As you can see, considering odd numbers that increase in size, more divisible numbers are always found. The first number divisible by a prime number is its square, and therefore up to 9409, there are divisible numbers for the prime numbers from 7 to 97.
Furthermore, by checking the odd numbers, you can see that the numbers divisible by the larger prime numbers are increasingly distant and rare.
An example with 719 - 516.961 + 7190 = 524.151 divisible by 3 - 524.151 + 7190 = 531.341.
531.341:719 = 739. The distance between the two numbers divisible by 719 is 14.353.
An example with a larger prime number:
2129x2129 = 4,532,641 + 21,290 = 4,553,931 divisible by 3 - 4,553,931 + 21,290 = 4,575,221 divisible by 7. 4,575,221 + 21,290 = 4,596,511 divisible by 17 - 4,596,511 + 21,290 = 4,617,801 divisible by 3 - 4,617,801 + 21,290 = 4,639,091: 21,290 = 2,179 prime number
The distance between 4,639,091 and 4,532,641 is 106,450.

TABLES OF NUMBERS DIVISIBLE BY PRIME NUMBERS 7,11,13,17,19,23,29,31,37, 41,43,47,53,59, 61,67,71,73,79,83,89,97

The first four initial numbers of the numbers divisible by 7 to 97 are the result of four multiplications of prime numbers that result in divisible numbers with the final number 1,3,7,9.
To these four initial numbers is added the result of the multiplication prime number by 10 one or more times to find the subsequent divisible numbers with the final number 1,3,7,9.
The four initial numbers are:

7	91(7x13)	133(7x19)	77(7x11)	49(7x7)
11	121(11x11)	143(11x13)	187(11x17)	209(11x19)
13	221(13x17)	403(13x31)	247(13x19)	169(13x13)
17	391(17x23)	323(17x19)	527(17x31)	289(17x17)
19	361(19x19)	703(19x37)	437(19x23)	589(19x31)
23	851(23x37)	713(23x31)	667(23x29)	529(23x23)
29	841(29x29)	1073(29x37)	1247(29x43)	899(29x31)
31	961(31x31)	1333(31x43)	1147(31x37)	1829(31x59)
37	1591(37x43)	2183(37x59)	1517(37x41)	1369(37x37)
41	1681(41x41)	1763(41x43)	1927(41x47)	2419(41x59)
43	2021(43x47)	2623(43x61)	2537(43x59)	1849(43x43)
47	2491(47x53)	2773(47x59)	2867(47x61)	2209(47x47)
53	3551(53x67)	3233(53x61)	3127(53x59)	2809(53x53)
59	3481(59x59)	3953(59x67)	4307(59x73)	3599(59x61)
61	3721(61x61)	4453(61x73)	4087(61x67)	4819(61x79)
67	4891(67x73)	5293(67x79)	4757(67x71)	4489(67x67)
71	5041(71x71)	5183(71x73)	6887(71x97)	5609(71x79)
73	7081(73x97)	7373(73x101)	5767(73x79)	5329(73x73)
79	6241(79x79)	7663(79x97)	6557(79x83)	7979(79x101)
83	8051(83x97)	8383(83x101)	7387(83x89)	6889(83x83)
89	7921(89x89)	8633(89x97)	9167(89x103)	8989(89x101)
97	9991(97x103)	10573(97x109)	9797(97x101)	9409(97x97)

As already mentioned, the numbers divisible by 7 are the only divisible numbers that repeat at a fixed distance and therefore it is easy to write a series of numbers divisible by 7. The table of numbers divisible by 7 has four columns of numbers that have the final numbers 1,3,7,9. The numbers in the column are at a distance of prime number times 10 or prime number times 20 (70 or 140).

91	133	77	119	1631	1673	1687	1729
161	203	217	259	1771	1813	1757	1799
301	343	287	329	1841	1883	1897	1939
371	413	427	469	1981	2023	1967	2009
511	553	497	539	2051	2093	2107	2149
581	623	637	679	2191	2233	2177	2219
721	763	707	749	2261	2303	2317	2359
791	833	847	889	2401	2443	2387	2429
931	973	917	959	2471	2513	2527	2569
1001	1043	1057	1099	2611	2653	2597	2639
1141	1183	1127	1169	2681	2723	2737	2779
1211	1253	1267	1309	2821	2863	2807	2849
1351	1393	1337	1379	2891	2933	2947	2989
1421	1463	1477	1519	3031	3073	3017	3059
1561	1603	1547	1589	3101	3143	3157	3199
3241	3283	3227	3269	6881	6923	6937	6979
3311	3353	3367	3409	7021	7063	7007	7049
3451	3493	3437	3479	7091	7133	7147	7189
3521	3563	3577	3619	7231	7273	7217	7259
3661	3703	3647	3689	7301	7343	7357	7399
3731	3773	3787	3829	7441	7483	7427	7469
3871	3913	3857	3899	7511	7553	7567	7609
3941	3983	3997	4039	7651	7693	7637	7679
4081	4123	4067	4109	7721	7763	7777	7819
4151	4193	4207	4249	7861	7903	7847	7889
4291	4333	4277	4319	7931	7973	7987	8029
4361	4403	4417	4459	8071	8113	8057	8099
4501	4543	4487	4529	8141	8183	8197	8239
4571	4613	4627	4669	8281	8323	8267	8309
4711	4753	4697	4739	8351	8393	8407	8449
4781	4823	4837	4879	8491	8533	8477	8519
4921	4963	4907	4949	8561	8603	8617	8659
4991	5033	5047	5089	8701	8743	8687	8729
5131	5173	5117	5159	8771	8813	8827	8869
5201	5243	5257	5299	8911	8953	8897	8939
5341	5383	5327	5369	8981	9023	9037	9079
5411	5453	5467	5509	9121	9163	9107	9149
5551	5593	5537	5579	9191	9233	9247	9289
5621	5663	5677	5719	9331	9373	9317	9359
5761	5803	5747	5789	9401	9443	9457	9499
5831	5873	5887	5929	9541	9583	9527	9569
5971	6013	5957	5999	9611	9653	9667	9709
6041	6083	6097	6139	9751	9793	9737	9779
6181	6223	6167	6209	9821	9863	9877	9919
6251	6293	6307	6349	9961	10003	9947	9989
6391	6433	6377	6419	10031	10073	10087	10129
6461	6503	6517	6559	10171		10157	10199
6601	6643	6587	6629				
6671	6713	6727	6769				

6811 6853 6797 6839

DIVISIBLE BY 11

121	143	187	209	6281	6193	6347	6479
341	253	407	319	6611	6413	6457	6589
451	473	517	649	6721	6523	6677	6809
671	583	737	869	6941	6743	6787	6919
781	803	1067	979	7051	7073	7117	7139
1111	913	1177	1199	7271	7183	7337	7249
1331	1133	1397	1529	7381	7403	7447	7579
1441	1243	1507	1639	7601	7513	7667	7799
1661	1573	1727	1859	7711	7733	7997	7909
1991	1793	1837	1969	7931	7843	8107	8129
2101	1903	2057	2189	8041	8063	8327	8459
2321	2123	2167	2299	8261	8173	8437	8569
2431	2453	2497	2519	8371	8503	8657	8789
2651	2563	2717	2629	8591	8723	8767	8899
2761	2783	2827	2959	8921	8833	8987	9119
2981	2893	3047	3179	9031	9053	9097	9229
3091	3113	3377	3289	9251	9383	9427	9449
3421	3223	3487	3509	9361	9493	9647	9559
3641	3443	3707	3839	9581	9713	9757	9889
3751	3553	3817	3949	9691	9823	9977	10109
3971	3883	4037	4169	9911	10043		
4301	4103	4147	4279	10021	10153		
4411	4213	4367	4499				
4631	4433	4477	4609				
4741	4763	4807	4829				
4961	4873	5027	4939				
5071	5093	5137	5269				
5291	5203	5357	5489				
5401	5423	5687	5599				
5731	5533	5797	5819				
5951	5753	6017	6149				
6061	5863	6127	6259				

DIVISIBLE BY 13

221	403	247	169	5161	5603	5447	5239
481	533	377	299	5681	5993	5707	5629
611	793	767	559	5941	6253	5837	5759
871	923	1027	689	6071	6383	6227	6019
1261	1313	1157	949	6331	6773	6487	6409
1391	1703	1417	1079	6851	7033	6617	6539
1651	1963	1807	1339	7111	7163	6877	6799
1781	2353	1937	1469	7241	7423	7267	6929
2041	2483	2197	2119	7501	7813	7397	7319
2171	2743	2327	2249	7631	7943	7657	7709
2561	2873	2587	2509	7891	8203	7787	7969
2951	3133	2977	2899	8021	8333	8047	8359
3211	3263	3107	3029	8411	8593	8177	8489

3341	3523	3497	3419	8671	8983	8567	8749
3601	3653	3757	3679	8801	9113	8957	8879
3991	4043	3887	3809	9061	9503	9217	9139
4121	4303	4537	4069	9451	9763	9347	9269
4381	4693	4667	4199	9841	9893	9607	9529
4511	5083	4927	4589	9971		9997	9659
4771	5213	5057	4849				10049
4901	5473	5317	4979				

DIVISIBLE BY 17

391	323	527	289	6341	6953	6817	6239
731	493	697	629	6511	7123	7157	6749
901	1003	1037	799	7361	7463	7327	7429
1241	1343	1207	1139	7531	7633	7837	7769
1411	1513	1717	1649	7871	8143	8347	7939
1751	1853	2227	1819	8381	8483	8857	8279
1921	2363	2567	2159	8551	8653	9197	8959
2771	2533	3077	2329	8891	8993	9367	9299
2941	3043	3247	2669	9571	9673	9707	9469
3281	3383	3587	2839	10081	10013		9809
3791	3893	4097	3349				9979
3961	4063	4267	3859				
4471	4573	4607	4369				
4811	4913	4777	4709				
4981	5933	5287	5219				
5321	6303	5627	5389				
5491	6443	6137	5729				
6001	6613	6647	5899				

DIVISIBLE BY 19

361	703	437	589	6631	6023	5377	5339
551	893	817	779	6821	6403	5567	5909
1121	1273	1007	1159	7201	6593	5947	6289
1501	1843	1387	1349	7391	6973	6707	7619
1691	2033	1577	1919	7771	7543	7087	7999
2071	2603	1957	2489	7961	8303	7277	8189
2641	2983	2147	2869	8341	8683	8227	8759
2831	3173	3097	3439	8531	8873	8417	9329
3401	3743	3287	3629	9101	9253	8797	9899
3781	4313	3667	4009	9481		9557	
4351	4883	4237	4579	9671		9937	
4541	5263	4427	4769	10051			
5111	5833	4997	5149				

DIVISIBLE BY 23

529	667	713	851	5359	8027	5773	5911
989	1357	943	1081	6049	8257	6233	6371
1219	1817	1403	1541	6509	8717	6463	7061
1679	2047	1633	2231	6739	8947	7153	7291
1909	2507	2323	2461	7199	9407	7613	7751

2369	3197	3013	2921	8119	9637	9223	7981
2599	3427	3473	3151	8579	10097	9683	8441
3749	4117	4163	3611	8809		9913	9131
3979	5267	4393	3841	9959			
4439	5497	4853	4531	10189			
5129	6187	5543	5221				

DIVISIBLE BY 29

841	899	1073	1247
1711	1189	1363	1537
2291	1769	1943	2117
2581	2059	2813	2407
3161	2929	3103	2987
4031	3799	3683	3277
4321	4379	3973	4727
5191	5249	4553	5017
5771	5539	4843	5597
6641	6119	5713	6467
6931	6989	6583	6757
7801	7279	7453	7627
	7859	8033	8207
	8149	8903	8497
	9019	9193	9077
	9599	9773	
		10063	

DIVISIBLE BY 31

961	1147	1333	1829
1271	1457	1643	2449
1891	2077	2263	2759
2201	3007	2573	3379
3131	3317	3193	4309
4061	3937	3503	4619
4681	4247	5053	5549
5611	4867	5363	6169
5921	5177	5983	7099
6541	6107	6913	7409
7471	7037	7223	8339
7781	7967	8153	
8401	8587	8773	
8711	9517	9083	
9641	9827	9703	

DIVISIBLE BY 37

1369	1517	1591	2183
1739	2257	1961	2923
2479	2627	2701	3293
3589	3737	3071	4033
3959	4847	3811	5143
4699	5587	4181	5513
5069	6697	6031	6623
5809	7067	6401	7363
6179	7807	7141	8473
7289	8917	8251	8843
8399	9287	8621	9953
9509	10027	9731	

DIVISIBLE BY 41

1681	1763	1927	2419
2501	2173	2747	3239
2911	2993	3977	3649
4141	3403	4387	4469
5371	4223	5207	5699
6191	4633	5617	6109
7421	6683	6437	7339
7831	7093	6847	8159
8651	7913	8077	9389
9881	9143	9307	9799
	9553		

DIVISIBLE BY 43

1849	2021	2537	2623
2279	2881	3397	3053
3139	4171	3827	4343
3569	4601	4687	5633
4429	5461	5977	6493
4859	5891	6407	7783
7009	7181	7697	8213
7439	8471	8557	9073
8299	9761	9847	
9589			
10019			

DIVISIBLE BY 47

2209	2491	2773	2867
3149	3431	3713	3337
4559	3901	4183	4747
5029	4841	5123	6157
5969	5311	6533	7097
6439	7661	7003	8507
7379	8131	8413	8977
7849	9071	9353	9917
9259			

DIVISIBLE BY 53

2809	3127	3233	3551
3869	4187	3763	5141
4399	4717	5353	5671
5459	5777	6943	6731
5989	7367	8003	7261
8639	7897	9593	8321
9169	9487		8851

DIVISIBLE BY 59

3481	3599	3953	4307
4661	4189	5723	4897
5251	5959	6313	6077
6431	7729	7493	6667
8201	8909	8083	9617
8791		9263	
		9853	

DIVISIBLE BY 61

3721 4087 4453 4819
4331 5917 5063 5429
6161 6527 6283 6649
7991 7747 6893 8479
9211 8357 9943 9089
9577

DIVISIBLE BY 67

4489 4757 4891 5293
6499 6767 5561 5963
7169 8777 6901 7303
8509 10117 7571 9313
9179 9983

DIVISIBLE BY 71

5041 5183 6887 5609
7171 5893 7597 6319
9301 7313 9017 7739
8023 9727 9869

DIVISIBLE BY 73

5329 5767 7373 7081
6059 6497 9563 7811
7519 7957 9271
8249 10001

DIVISIBLE BY 79

62 41 6557 7979 7663
7031 8137 8453
8611 8927 10033

DIVISIBLE BY 83

6889 7387 8051 8383
8549 9047 8881
9379

DIVISIBLE BY 89

7921 8633 8989 9167
9701 9523 10057

DIVISIBLE BY 97

9409 9797 9991

After finding all the numbers Divisible by prime numbers from 7 to 97, you write a table of odd numbers from 9,353 to 10,081 indicating which prime numbers the listed numbers are divisible by, and which are instead the prime numbers that are not divisible and remain. The divisible numbers are all at a distance in each column of prime number times 10 one or more times.

9371	9353 D47	9367 D17	9359 D7
9391	9373 D7	9377	9379 D83
9401 D7	9383 D11	9397	9389 D41
9421	9403	9407 D23	9409 D97
9431	9413	9427 D11	9419
9451 D13	9433	9437	9439
9461	9443 D7	9457 D7	9449 D11
9481 D19	9463	9467	9469 D17
9491	9473	9487 D53	9479
9511	9493 D11	9497	9499 D7
9521	9503 D13	9517 D31	9509 D37
9541 D7	9523 D89	9527 D7	9529 D13
9551	9533	9547	9539
9571 D17	9553 D41	9557 D19	9559 D11
9581 D11	9563 D73	9577 D61	9569 D7
9601	9583 D7	9587	9589 D43
9611 D7	9593 D53	9607 D13	9599 D29
9631	9613	9617 D59	9619
9641 D31	9623	9637 D23	9629
9661	9643	9647 D11	9649
9671 D19	9653 D7	9667 D7	9659 D13
9691 D11	9673 D17	9677	9679
9701 D89	9683 D23	9697	9689
9721	9703 D31	9707 D17	9709 D7
9731 D37	9713 D11	9727 D71	9719
9751 D7	9733	9737 D7	9739
9761 D43	9743	9757 D11	9749
9781	9763 D13	9767	9769

9791	9773 D29	9787	9779 D7
9811	9793 D7	9797 D97	9799 D41
9821 D7	9803	9817	9809 D17
9841 D13	9823 D11	9827 D31	9829
9851	9833	9847 D43	9839
9871	9853 D59	9857	9859
9881 D41	9863 D7	9877 D7	9869 D71
9901	9883	9887	9889 D11
9911 D11	9893 D13	9907	9899 D19
9931	9913 D23	9917 D47	9919 D7
9941	9923	9937 D19	9929
9961 D7	9943 D61	9947 D7	9949
9971 D13	9953 D37	9967	9959 D23
9991 D97	9973	9977 D11	9979 D17
10001 D73	9983 D67	9997 D13	9989 D7
10021 D11	10003 D7	10007	10009
10031 D7	10013 D17	10027 D37	10019 D43
10051 D19	10033 D79	10037	10039
10061	10043 D11	10057 D89	10049 D13
10081 D17	10063 D29	10067	10069

In the tables of numbers divisible from 7 to 97, I read for each column of numbers, the numbers that are Divisible by the prime numbers from 7 to 97. Next to the divisible number, I write by which prime number it is divisible. I add a prime number times 10 one or more times and find all the numbers Divisible by the prime number in the column.
First column Divisible by 7: 9401+140=9541+70=9611+140=9751+70=9821+140=9961+70= 10031 ---- Divisible by 11: 9581+110=9691+220=9911+110=10021
Divisible by 13: 9451+390=9841+130=9971. Divisible by 17: 9571+510=10081. Divisible by 19: 9481+190=9671+380=10051. Divisible by 31: 9641. Divisible by 37: 9731. Divisible by 41: 9881. Divisible by 43: 9761. Divisible by 73: 10,001. Divisible by 89: 9701. Divisible by 97: 9991.
Second column Divisible by 7: 9373+70=9443+140=9583+70=9653+140=9793+70=9863 +140=10,003. Divisible by 11: 9383+110=9493+220=9713+110=9823+220=10043
Divisible by 13: 9503+260=9763+130=9893. Divisible by 17: 9673+340=10013. Divisible by 23: 9683+230=9913. Divisible by 29: 9773+290=10063. Divisible by 31: 9703. Divisible by 37= 9953. Divisible by 41: 9553. Divisible by 47: 9353. Divisible by 53: 9593. Divisible by 59: 9853. Divisible by 61: 9943. Divisible by 67: 9983. Divisible by 73: 9563. Divisible by 79: 10033. Divisible by 89: 9523.
Third column Divisible by 7: 9457+70=9527+140=9667+70=9737+140=9877+70=9947. Divisible by 11: 9427+220=9647+110=9757+220=9977. Divisible by 13: 9607+390=9997. Divisible by 17: 9367+340=9707. Divisible by 19: 9557+380=9937. Divisible by 23: 9407+230=9637. Divisible by 31: 9517+310=9827. Divisible by 37: 10027. Divisible by 43: 9847. Divisible by 47: 9917. Divisible by 53: 9487. Divisible by 59: 9617. Divisible by 61: 9577. Divisible by 71: 9727. Divisible by 89: 10057. Divisible by 97: 9797.

ALL NON-DIVISIBLE NUMBERS ARE PRIME NUMBERS THAT HAVE BEEN FOUND WITH ADDITIONS (ELIMINATED THE NUMBERS DIVISIBLE AT A DISTANCE NUMBER DIVISIBLE BY 10 OR MULTIPLE OF 10).

FINAL SOLUTION: HOW TO KNOW ALL THE PRIME NUMBERS

This study concludes, having available a list of divisible numbers, with a table that allows you to know all the prime numbers.

Write down the first eight prime numbers from 7 to 31, add the fixed distance of 30 in the column. The divisible numbers in the column are at a distance of prime number times 10 one or more times.

Knowing the first number divisible by a prime number, you can easily know all the numbers divisible by the prime numbers from 7 onwards (example first column: 217 divisible by 7, then 217+(3x70)=427, then 427+210=637 etc.

For 11 =121+330=451 for 13 = 403+390=793 for 17=493+(170x5)=1343

Knowing the divisible numbers, the remaining numbers are prime numbers

7	11	13	17	19	23	29	31
37	41	43	47	49/7	53	59	61
67	71	73	77/7	79	83	89	91/7
97	101	103	107	109	113	119/7	121/11
127	131	133/7	137	139	143/11	149	151
157	161/7	163	167	169/13	173	179	181
187/11	191	193	197	199	203/7	209/11	211
217/7	221/13	223	227	229	233	239	241
247/13	251	253/11	257	259/7	263	269	271
277	281	283	287/7	289/17	293	299/13	301/7
307	311	313	317	319/11	323/17	329/7	331
337	341/11	343/7	347	349	353	359	361/19
367	371/7	373	377/13	379	383	389	391/17
397	401	403/13	407/11	409	413/7	419	421
427/7	431	433	437/19	439	443	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

With this first table, you have a perfect list of prime numbers from the prime number 7 to the prime number 887. You continue with other numbers.

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	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 2327713 2329/17 2333 2339 2341
2347 2351 2353/13 2357 2359/7 2363/17 2369/23 2371
2377 2381 2383 2387/7 2389 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	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	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	6227/11	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 6541/11
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	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

There are all prime numbers from 7 to 7159.