

The first fifty million primes

(Another of the [Prime Pages](#)' resources)



New record prime: $2^{74,207,281}-1$ with 22,338,618 digits by [Cooper](#), [Woltman](#), [Kurowski](#), [Blosser](#) & [GIMPS](#) (7 Jan 2016).

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In this directory I have the first fifty million primes in blocks of one million. Usually it is faster to run a program on your own computer than to download them, but by popular demand, here they are!

Largest

Just click on "The first million" below to get the file (or on ** for the mirror site).

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file	<u>first prime</u>	last prime	file	<u>first prime</u>	last prime
<u>first million</u> (**)	2	15,485,863	<u>twenty-sixth million</u> (**)	472,882,049	492,876,847
<u>second million</u> (**)	15,485,867	32,452,843	<u>twenty-seventh million</u> (**)	492,876,863	512,927,357
<u>third million</u> (**)	32,452,867	49,979,687	<u>twenty-eighth million</u> (**)	512,927,377	533,000,389
<u>fourth million</u> (**)	49,979,693	67,867,967	<u>twenty-ninth million</u> (**)	533,000,401	553,105,243
<u>fifth million</u> (**)	67,867,979	86,028,121	<u>thirtieth million</u> (**)	553,105,253	573,259,391
<u>sixth million</u> (**)	86,028,157	104,395,301	<u>thirty-first million</u> (**)	573,259,433	593,441,843
<u>seventh million</u> (**)	104,395,303	122,949,823	<u>thirty-second million</u> (**)	593,441,861	613,651,349
<u>eighth million</u> (**)	122,949,829	141,650,939	<u>thirty-third million</u> (**)	613,651,369	633,910,099

<u>ninth</u> <u>million</u> (**)	141,650,963	160,481,183	<u>thirty-</u> <u>forth</u> <u>million</u> (**)	633,910,111	654,188,383
<u>tenth</u> <u>million</u> (**)	160,481,219	179,424,673	<u>thirty-</u> <u>fifth</u> <u>million</u> (**)	654,188,429	674,506,081
<u>eleventh</u> <u>million</u> (**)	179,424,691	198,491,317	<u>thirty-</u> <u>sixth</u> <u>million</u> (**)	674,506,111	694,847,533
<u>twelfth</u> <u>million</u> (**)	198,491,329	217,645,177	<u>thirty-</u> <u>seventh</u> <u>million</u> (**)	694,847,539	715,225,739
<u>thirteenth</u> <u>million</u> (**)	217,645,199	236,887,691	<u>thirty-</u> <u>eighth</u> <u>million</u> (**)	715,225,741	735,632,791
<u>fourteenth</u> <u>million</u> (**)	236,887,699	256,203,161	<u>thirty-</u> <u>ninth</u> <u>million</u> (**)	735,632,797	756,065,159
<u>fifteenth</u> <u>million</u> (**)	256,203,221	275,604,541	<u>fortieth</u> <u>million</u> (**)	756,065,179	776,531,401
<u>sixteenth</u> <u>million</u> (**)	275,604,547	295,075,147	<u>forty-</u> <u>first</u> <u>million</u> (**)	776,531,419	797,003,413
<u>seventeenth</u> <u>million</u> (**)	295,075,153	314,606,869	<u>forty-</u> <u>second</u> <u>million</u> (**)	797,003,437	817,504,243
<u>eighteenth</u> <u>million</u> (**)	314,606,891	334,214,459	<u>forty-</u> <u>third</u> <u>million</u> (**)	817,504,253	838,041,641
<u>nineteenth</u> <u>million</u> (**)	334,214,467	353,868,013	<u>forty-</u> <u>forth</u> <u>million</u> (**)	838,041,647	858,599,503
<u>twentieth</u> <u>million</u> (**)	353,868,019	373,587,883	<u>forty-</u> <u>fifth</u> <u>million</u> (**)	858,599,509	879,190,747

<u>twenty-first million</u> (**)	373,587,911	393,342,739	<u>forty-sixth million</u> (**)	879,190,841	899,809,343
<u>twenty-second million</u> (**)	393,342,743	413,158,511	<u>forty-seventh million</u> (**)	899,809,363	920,419,813
<u>twenty-third million</u> (**)	413,158,523	433,024,223	<u>forty-eighth million</u> (**)	920,419,823	941,083,981
<u>twenty-fourth million</u> (**)	433,024,253	452,930,459	<u>forty-ninth million</u> (**)	941,083,987	961,748,927
<u>twenty-fifth million</u> (**)	452,930,477	472,882,027	<u>fiftieth million</u> (**)	961,748,941	982,451,653

For about ten years I resisted placing large files of primes on the Prime Pages because it can be a waste of bandwidth. Programs can find them far faster than they can be downloaded. So instead I linked to others who had such files. But these sites kept disappearing and the requests for the primes did not. So here they are. Besides, downloading primes is a better use of bandwidth than much of the downloading done on the Internet.

Prime Pages

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