

Table31a4\_Simple Equation PATTERN for Finding ALL NO-PRIMES BASE 1-10+ sequentially

Simple Equation Pattern for Finding ALL NO-PRIMES BASE 1-37 ALL LOWER (-) NO-PRIMES										
	Lower NO-PRIMES									
line #= x ↓	<b><math>(6 \times \text{ODD\#})(x) \pm \text{ODD\#} = 6yx \pm y = \text{NO-PRIME}</math></b>									
0	18	30	42	54	66	78	90	102	114	126
10	15	25	35	45	55	65	75	85	95	105
22	33	55	77	99	121	143	165	187	209	231
34	51	85	119	153	187	221	255	289	323	357
46	69	115	161	207	253	299	345	391	437	483
58	87	145	203	261	319	377	435	493	551	609
70	105	175	245	315	385	455	525	595	665	735
82	123	205	287	369	451	533	615	697	779	861
94	141	235	329	423	517	611	705	799	893	987
106	159	265	371	477	583	689	795	901	1007	1113
118	177	295	413	531	649	767	885	1003	1121	1239

Table 31a4 50 x 500+  
 • It is helpful to first fill out the First Row (4 B,C,D,...) with 18, followed by B4+12, drag ACROSS : 18-30-42-54-66  
 Place 10 in upper left header Column, with: A4+10. It should read 10  
 Next Row cell under same Column: A5+12, drag DOWN giving -22-34-46-...  
 Next, Start with 15 upper left table cell. In Row below, B5+18, drag DOWN to give 15-33-51-69-...  
 Next Column cell over: \$A5+B5 drag ACROSS giving 15-25-35-45-...  
 Next Row cell under same Column: \$A6+B6 drag ACROSS giving 55-77-99-...  
 Now, or even ROW ABOVE, you can drag DOWN the entire ROW — PAST Columns A & B, to fill out.  
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Table31a4\_Simple Equation PATTERN for Finding ALL NO-PRIMES BASE 1-10+ sequentially-1

Simple Equation Pattern for Finding ALL NO-PRIMES BASE 1-37 ALL UPPER (+) NO-PRIMES										
	Upper NO-PRIMES									
line #= x ↓	<b><math>(6 \times \text{ODD\#})(x) \pm \text{ODD\#} = 6yx \pm y = \text{NO-PRIME}</math></b>									
0	18	30	42	54	66	78	90	102	114	126
14	21	35	49	63	77	91	105	119	133	147
26	39	65	91	117	143	169	195	221	247	273
38	57	95	133	171	209	247	285	323	361	399
50	75	125	175	225	275	325	375	425	475	525
62	93	155	217	279	341	403	465	527	589	651
74	111	185	259	333	407	481	555	629	703	777
86	129	215	301	387	473	559	645	731	817	903
98	147	245	343	441	539	637	735	833	931	1029
110	165	275	385	495	605	715	825	935	1045	1155
122	183	305	427	549	671	793	915	1037	1159	1281

Table 31a4 50 x 500+  
 • It is helpful to first fill out the First Row (4 B,C,D,...) with 18, followed by B4+12, drag ACROSS : 18-30-42-54-66  
 Place 14 in upper left header Column, with: A4+14. It should read 10  
 Next Row cell under same Column: A5+12, drag DOWN giving -26-38-50-...  
 Next, Start with 18 upper left table cell. In Row below, B5+18, drag DOWN to give 21-39-57-75-...  
 Next Column cell over: \$A5+B5 drag ACROSS giving 21-35-49-...  
 Next Row cell under same Column: \$A6+B6 drag ACROSS giving 39-65-91-117-...  
 Now, or even ROW ABOVE, you can drag DOWN the entire ROW — PAST Columns A & B, to fill out.  
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Table31a4\_Simple Equation PATTERN for Finding ALL NO-PRIMES BASE 1-10+ sequentially

Simple Equation Pattern for Finding ALL NO-PRIMES BASE 1-37 ALL LOWER (-) NO-PRIMES										
Lower NO-PRIMES										
line #= x ↓	$(6 \times \text{ODD\#})(x) \pm \text{ODD\#} = 6yx \pm y = \text{NO-PRIME}$									
0	18	30	42	54	66	78	90	102	114	126
10	15	25	35	45	55	65	75	85	95	105
22	33	55	77	99	121	143	165	187	209	231
34	51	85	119	153	187	221	255	289	323	357
46	69	115	161	207	253	299	345	391	437	483
58	87	145	203	261	319	377	435	493	551	609
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 Next Row cell under same Column: A5+12, drag DOWN giving -22-34-46-...  
 Next, Start with 15 upper left table cell. In Row below, B5+18, drag DOWN to give 15-33-51-69-...  
 Next Column cell over: \$A5+B5 drag ACROSS giving 15-25-35-45-... RED=ARS (NOT÷3)  
 Next Row cell under same Column: \$A6+B6 drag ACROSS giving 55-77-99-...  
 Now, or even ROW ABOVE, you can drag DOWN the entire ROW — PAST Columns A & B, to fill out. See below.  
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Table31a4\_Simple Equation PATTERN for Finding ALL NO-PRIMES BASE 1-10+ sequentially-1

Simple Equation Pattern for Finding ALL NO-PRIMES BASE 1-37 ALL UPPER (+) NO-PRIMES										
Upper NO-PRIMES										
line #= x ↓	$(6 \times \text{ODD\#})(x) \pm \text{ODD\#} = 6yx \pm y = \text{NO-PRIME}$									
0	18	30	42	54	66	78	90	102	114	126
14	21	35	49	63	77	91	105	119	133	147
26	39	65	91	117	143	169	195	221	247	273
38	57	95	133	171	209	247	285	323	361	399
50	75	125	175	225	275	325	375	425	475	525
62	93	155	217	279	341	403	465	527	589	651
74	111	185	259	333	407	481	555	629	703	777
86	129	215	301	387	473	559	645	731	817	903
98	147	245	343	441	539	637	735	833	931	1029
110	165	275	385	495	605	715	825	935	1045	1155
122	183	305	427	549	671	793	915	1037	1159	1281

Table 31a4 50 x 500+  
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 Next Column cell over: \$A5+B5 drag ACROSS giving 21-35-49-... RED=ARS (NOT÷3)  
 Next Row cell under same Column: \$A6+B6 drag ACROSS giving 39-65-91-117-...  
 Now, or even ROW ABOVE, you can drag DOWN the entire ROW — PAST Columns A & B, to fill out. See below.  
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Table 31a5\_÷3Filter (LOWER)

Dividing the cell values from the UPPER Equation Table by 3 ELIMINATES EVERY 2ND SET OF COLUMN VALUES (BLUE), LEAVING ONLY THE ARS VALUES (RED)																				
0	Col 3	÷3	Col 5	÷3	Col 7	÷3	Col 9	÷3	Col 11	÷3	Col 13	÷3	Col 15	÷3	Col 17	÷3	Col 19	÷3	Col 21	÷3
10	15	5	25	1.666	35	11.666	45	15	55	18.333	65	21.666	75	25	85	28.333	95	31.666	105	35
22	33	11	55	3.666	77	25.666	99	33	121	40.333	143	47.666	165	55	187	62.333	209	69.666	231	77
34	51	17	85	5.666	119	39.666	153	51	187	62.333	221	73.666	255	85	289	96.333	323	107.666	357	119
46	69	23	115	7.666	161	53.666	207	69	253	84.333	299	99.666	345	115	391	130.333	437	145.666	483	161
58	87	29	145	9.666	203	67.666	261	87	319	106.333	377	125.666	435	145	493	164.333	551	183.666	609	203
70	105	35	175	11.666	245	81.666	315	105	385	128.333	455	151.666	525	175	595	198.333	665	221.666	735	245
82	123	41	205	13.666	287	95.666	369	123	451	150.333	533	177.666	615	205	697	232.333	779	259.666	861	287
94	141	47	235	15.666	329	109.666	423	141	517	172.333	611	203.666	705	235	799	266.333	893	297.666	987	329
106	159	53	265	17.666	371	123.666	477	159	583	194.333	689	229.666	795	265	901	300.333	1007	335.666	1113	371
118	177	59	295	19.666	413	137.666	531	177	649	216.333	767	255.666	885	295	1003	334.333	1121	373.666	1239	413

Table 31a 5 10 x 10+  
 • It is helpful to first copy in to a blank table the inner cell values of the LOWER or UPPER Table.  
 Add a Column after each column. At the top cell enter: \$B3÷3; C3÷3; D3÷3, ... for each Column ÷3. Drag down.  
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Table 31a5\_÷3Filter (UPPER)

Dividing the cell values from the UPPER Equation Table by 3 ELIMINATES EVERY 2ND SET OF COLUMN VALUES (BLUE), LEAVING ONLY THE ARS VALUES (RED)																				
0	Col 3	÷3	Col 5	÷3	Col 7	÷3	Col 9	÷3	Col 11	÷3	Col 13	÷3	Col 15	÷3	Col 17	÷3	Col 19	÷3	Col 21	÷3
14	21	7	35	11.666	49	16.333	63	21	77	25.666	91	30.333	105	35	119	39.666	133	39.666	147	49
26	39	13	65	21.666	91	30.333	117	39	143	47.666	169	56.333	195	65	221	73.666	247	73.666	273	91
38	57	19	95	31.666	133	44.333	171	57	209	69.666	247	82.333	285	95	323	107.666	361	107.666	399	133
50	75	25	125	41.666	175	58.333	225	75	275	91.666	325	108.333	375	125	425	141.666	475	141.666	525	175
62	93	31	155	51.666	217	72.333	279	93	341	113.666	403	134.333	465	155	527	175.666	589	175.666	651	217
74	111	37	185	61.666	259	86.333	333	111	407	135.666	481	160.333	555	185	629	209.666	703	209.666	777	259
86	129	43	215	71.666	301	100.333	387	129	473	157.666	559	186.333	645	215	731	243.666	817	243.666	903	301
98	147	49	245	81.666	343	114.333	441	147	539	179.666	637	212.333	735	245	833	277.666	931	277.666	1029	343
110	165	55	275	91.666	385	128.333	495	165	605	201.666	715	238.333	825	275	935	311.666	1045	311.666	1155	385
122	183	61	305	101.666	427	142.333	549	183	671	223.666	793	264.333	915	305	1037	345.666	1159	345.666	1281	427

Table 31a 5 10 x 10+  
 • It is helpful to first copy in to a blank table the inner cell values of the LOWER or UPPER Table.  
 Add a Column after each column. At the top cell enter: \$Col 3 14÷3; \$Col 5 14÷3; Col 7 14÷3, ... for each Column ÷3.  
 Drag.  
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