Example nr 1: Convert of 4450₁₀ to binary.

	iple nr 1: Convert of 4450 ₁₀ to binary.			
Step nr.		Α	В	С
1	Form a table with three columns, A, B and C.			
2	Place the number to be converted at the 1 st cell of column A.	4450		
3	Is it an even number? Copy it to the 1 st cell of column B. Is it an odd number? Subtract 1 and place the result to the 1 st cell of column B.	4450	4450	
4	Subtract the 1 st cell of column B from the 1 st cell of column A. Place the result to the 1 st cell of column C. This is the LSB of the result	4450	4450	0
5	Divide the content of the 1 st cell of column B by 2. Place the result at the 2 nd cell of column A	2225		
6	Is it an even number? Copy it to the 2 nd cell of column B. Is it an odd number? Subtract 1 and place the result to the 2 nd cell of column B.	2225	2224	
7	Subtract the 2 nd cell of column B from the 2 nd cell of column A. Place the result to the 2 nd cell of column C.	2225	2224	1
8	Repeat steps 5 to 7 for the 3 rd row of cells	1112	1112	0
9	Repeat steps 5 to 7 for as many times as necessary	556	556	0
10		278	278	0
11		139	138	1
12		69	68	1
13		34	34	0
14		17	16	1
15		8	8	0
16		4	4	0
17		2	2	0
18	to get the values 1 0 1 in columns A, B and C, respectively. This is the last row of the table and represents the MSB.	1	0	1
19	Starting from the top of the conversion table; place the content of the cell at column C at the rightmost position of the result: 0_2			
20	Move one row down in the conversion table; place the content of the cell at column C at the position left of the previous bit:			
21	Repeat step 20 for all rows of the conversion table, placing the content of each cell at column C at the position left of the previous bit: 10001011000102			
22	In this case, the result is: 10001011000102			
				_

Example nr 2: Convert of 390_{10} to binary.

Step nr.		Α	В	С	
1	Form a table with three columns, A, B and C.				
2	Place the number to be converted at the 1st cell of column A.	390			
3	Is it an even number? Copy it to the 1 st cell of column B. Is it an odd number? Subtract 1 and place the result to the 1 st cell of column B.	390	390		
4	Subtract the 1 st cell of column B from the 1 st cell of column A. Place the result to the 1 st cell of column C. This is the LSB of the result	390	390	0	
5	Divide the content of the 1 st cell of column B by 2. Place the result at the 2 nd cell of column A	195			
6	Is it an even number? Copy it to the 2 nd cell of column B. Is it an odd number? Subtract 1 and place the result to the 2 nd cell of column B.	195	194		
7	Subtract the 2 nd cell of column B from the 2 nd cell of column A. Place the result to the 2 nd cell of column C.	195	194	1	
8	Repeat steps 5 to 7 for the 3 rd row of cells	97	96	1	
9	Repeat steps 5 to 7 for as many times as necessary	48	48	0	
10		24	24	0	
11		12	12	0	
12		6	6	0	
13		3	2	1	
14	to get the values 1 0 1 in columns A, B and C, respectively. This is the last row of the table and represents the MSB.	1	0	1	
15	Starting from the top of the conversion table; place the content of the cell at column C at the rightmost position of the result: 0_2				
16	Move one row down in the conversion table; place the content of the cell at column C at the position left of the previous bit: 102				
17	Repeat step 16 for all rows of the conversion table, placing the content of each cell at column C at the position left of the previous bit: 1100001102				
18	In this case, the result is: 110000110 ₂				

Example nr 3: Convert of 119₁₀ to binary.

Step nr.		Α	В	С	
1	Form a table with three columns, A, B and C.				
2	Place the number to be converted at the 1st cell of column A.	119			
3	Is it an even number? Copy it to the 1 st cell of column B. Is it an odd number? Subtract 1 and place the result to the 1 st cell of column B.	119	118		
4	Subtract the 1 st cell of column B from the 1 st cell of column A. Place the result to the 1 st cell of column C. This is the LSB of the result	119	118	1	
5	Divide the content of the 1 st cell of column B by 2. Place the result at the 2 nd cell of column A	59			
6	Is it an even number? Copy it to the 2 nd cell of column B. Is it an odd number? Subtract 1 and place the result to the 2 nd cell of column B.	59	58		
7	Subtract the 2 nd cell of column B from the 2 nd cell of column A. Place the result to the 2 nd cell of column C.	59	58	1	
8	Repeat steps 5 to 7 for the 3 rd row of cells	29	28	1	
9	Repeat steps 5 to 7 for as many times as necessary	14	14	0	
10		7	6	1	
11		3	2	1	
12	to get the values 1 0 1 in columns A, B and C, respectively. This is the last row of the table and represents the MSB.	1	0	1	
13	Starting from the top of the conversion table; place the content of the cell at column C at the rightmost position of the result:				
14	Move one row down in the conversion table; place the content of the cell at column C at the position left of the previous bit:				
15	Repeat step 14 for all rows of the conversion table, placing the content of each cell at column C at the position left of the previous bit: 1110111 ₂				
16	In this case, the result is: 1110111 ₂				

Example nr 4: Convert of 85₁₀ to binary.

Step nr.		Α	В	С	
1	Form a table with three columns, A, B and C.				
2	Place the number to be converted at the 1 st cell of column A.	85			
3	Is it an even number? Copy it to the 1 st cell of column B. Is it an odd number? Subtract 1 and place the result to the 1 st cell of column B.	85	84		
4	Subtract the 1 st cell of column B from the 1 st cell of column A. Place the result to the 1 st cell of column C. This is the LSB of the result	85	84	1	
5	Divide the content of the 1 st cell of column B by 2. Place the result at the 2 nd cell of column A	42			
6	Is it an even number? Copy it to the 2 nd cell of column B. Is it an odd number? Subtract 1 and place the result to the 2 nd cell of column B.	42	42		
7	Subtract the 2 nd cell of column B from the 2 nd cell of column A. Place the result to the 2 nd cell of column C.	42	42	0	
8	Repeat steps 5 to 7 for the 3 rd row of cells	21	20	1	
9	Repeat steps 5 to 7 for as many times as necessary	10	10	0	
10		5	4	1	
11		2	2	0	
12	to get the values 1 0 1 in columns A, B and C, respectively. This is the last row of the table and represents the MSB.	1	0	1	
13	Starting from the top of the conversion table; place the content of the cell at column C at the rightmost position of the result:				
14	Move one row down in the conversion table; place the content of the cell at column C at the position left of the previous bit: 01 ₂				
15	Repeat step 14 for all rows of the conversion table, placing the content of each cell at column C at the position left of the previous bit: 1010101 ₂				
16	In this case, the result is: 1010101 ₂				