

Octet values and binary

Mask octet	Binary	Block size	Network bits in octet
0	0	256	0
128	10,000,000	128	1
192	11,000,000	64	2
224	11,100,000	32	3
240	11,110,000	16	4
248	11,111,000	8	5
252	11,111,100	4	6
254	11,111,110	2	7
255	11,111,111	1	8

Block size = 256 – mask octet.

Notes