| **Addresses** | **Hosts** | **Netmask** | **Amount of a Class C** |
| --- | --- | --- | --- |
| / 30 | 4 | 2 | 255.255.255.252 | 1 / 64 |
| / 29 | 8 | 6 | 255.255.255.248 | 1 / 32 |
| / 28 | 16 | 14 | 255.255.255.240 | 1 / 16 |
| / 27 | 32 | 30 | 255.255.255.224 | 1 / 8 |
| / 26 | 64 | 62 | 255.255.255.192 | 1 / 4 |
| / 25 | 128 | 126 | 255.255.255.128 | 1 / 2 |
| / 24 | 256 | 254 | 255.255.255.0 | 1 |
| / 23 | 512 | 510 | 255.255.254.0 | 2 |
| / 22 | 1024 | 1022 | 255.255.252.0 | 4 |
| / 21 | 2048 | 2046 | 255.255.248.0 | 8 |
| / 20 | 4096 | 4094 | 255.255.240.0 | 16 |
| / 19 | 8192 | 8190 | 255.255.224.0 | 32 |
| / 18 | 16384 | 16382 | 255.255.192.0 | 64 |
| / 17 | 32768 | 32766 | 255.255.128.0 | 128 |
| / 16 | 65536 | 65534 | 255.255.0.0 | 256 |

**GUIDE TO SUB-CLASS C BLOCKS**

**/25 -- 2 Subnets -- 126 Hosts / Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1 - .126 | .127 |
| .128 | .129 - .254 | .255 |

**/26 -- 4 Subnets -- 62 Hosts / Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1 - .62 | .63 |
| .64 | .65 - .126 | .127 |
| .128 | .129 - .190 | .191 |
| .192 | .193 - .254 | .255 |

**/27 -- 8 Subnets -- 30 Hosts / Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1 - .30 | .31 |
| .32 | .33 - .62 | .63 |
| .64 | .65 - .94 | .95 |
| .96 | .97 - .126 | .127 |
| .128 | .129 - .158 | .159 |
| .160 | .161 - .190 | .191 |
| .192 | .193 - .222 | .223 |
| .224 | .225 - .254 | .255 |

**/28 -- 16 Subnets -- 14 Hosts/Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1-.14 | .15 |
| .16 | .17-.30 | .31 |
| .32 | .33-.46 | .47 |
| .48 | .49-.62 | .63 |
| .64 | .65-.78 | .79 |
| .80 | .81-.94 | .95 |
| .96 | .97-.110 | .111 |
| .112 | .113-.126 | .127 |
| .128 | .129-.142 | .143 |
| .144 | .145-.158 | .159 |
| .160 | .161-.174 | .175 |
| .176 | .177-.190 | .191 |
| .192 | .193-.206 | .207 |
| .208 | .209-.222 | .223 |
| .224 | .225-.238 | .239 |
| .240 | .241-.254 | .255 |

**/29 -- 32 Subnets -- 6 Hosts/Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1-.6 | .7 |
| .8 | .9-.14 | .15 |
| .16 | .17-.22 | .23 |
| .24 | .25-.30 | .31 |
| .32 | .33-.38 | .39 |
| .40 | .41-.46 | .47 |
| .48 | .49-.54 | .55 |
| .56 | .57-.62 | .63 |
| .64 | .65-.70 | .71 |
| .72 | .73-.78 | .79 |
| .80 | .81-.86 | .87 |
| .88 | .89-.94 | .95 |
| .96 | .97-.102 | .103 |
| .104 | .105-.110 | .111 |
| .112 | .113-.118 | .119 |
| .120 | .121-.126 | .127 |
| .128 | .129-.134 | .135 |
| .136 | .137-.142 | .143 |
| .144 | .145-.150 | .151 |
| .152 | .153-.158 | .159 |
| .160 | .161-.166 | .167 |
| .168 | .169-.174 | .175 |
| .176 | .177-.182 | .183 |
| .184 | .185-.190 | .191 |
| .192 | .193-.198 | .199 |
| .200 | .201-.206 | .207 |
| .208 | .209-.214 | .215 |
| .216 | .217-.222 | .223 |
| .224 | .225-.230 | .231 |
| .232 | .233-.238 | .239 |
| .240 | .241-.246 | .247 |
| .248 | .249-.254 | .255 |

**/30 -- 64 Subnets -- 2 Hosts/Subnet**

| **Network #** | **IP Range** | **Broadcast** |
| --- | --- | --- |
| .0 | .1-.2 | .3 |
| .4 | .5-.6 | .7 |
| .8 | .9-.10 | .11 |
| .12 | .13-.14 | .15 |
| .16 | .17-.18 | .19 |
| .20 | .21-.22 | .23 |
| .24 | .25-.26 | .27 |
| .28 | .29-.30 | .31 |
| .32 | .33-.34 | .35 |
| .36 | .37-.38 | .39 |
| .40 | .41-.42 | .43 |
| .44 | .45-.46 | .47 |
| .48 | .49-.50 | .51 |
| .52 | .53-.54 | .55 |
| .56 | .57-.58 | .59 |
| .60 | .61-.62 | .63 |
| .64 | .65-.66 | .67 |
| .68 | .69-.70 | .71 |
| .72 | .73-.74 | .75 |
| .76 | .77-.78 | .79 |
| .80 | .81-.82 | .83 |
| .84 | .85-.86 | .87 |
| .88 | .89-.90 | .91 |
| .92 | .93-.94 | .95 |
| .96 | .97-.98 | .99 |
| .100 | .101-.102 | .103 |
| .104 | .105-.106 | .107 |
| .108 | .109-.110 | .111 |
| .112 | .113-.114 | .115 |
| .116 | .117-.118 | .119 |
| .120 | .121-.122 | .123 |
| .124 | .125-.126 | .127 |
| .128 | .129-.130 | .131 |
| .132 | .133-.134 | .135 |
| .136 | .137-.138 | .139 |
| .140 | .141-.142 | .143 |
| .144 | .145-.146 | .147 |
| .148 | .149-.150 | .151 |
| .152 | .153-.154 | .155 |
| .156 | .157-.158 | .159 |
| .160 | .161-.162 | .163 |
| .164 | .165-.166 | .167 |
| .168 | .169-.170 | .171 |
| .172 | .173-.174 | .175 |
| .176 | .177-.178 | .179 |
| .180 | .181-.182 | .183 |
| .184 | .185-.186 | .187 |
| .188 | .189-.190 | .191 |
| .192 | .193-.194 | .195 |
| .196 | .197-.198 | .199 |
| .200 | .201-.202 | .203 |
| .204 | .205-.206 | .207 |
| .208 | .209-.210 | .211 |
| .212 | .213-.214 | .215 |
| .216 | .217-.218 | .219 |
| .220 | .221-.222 | .223 |
| .224 | .225-.226 | .227 |
| .228 | .229-.230 | .231 |
| .232 | .233-.234 | .235 |
| .236 | .237-.238 | .239 |
| .240 | .241-.242 | .243 |
| .244 | .245-.246 | .247 |
| .248 | .249-.250 | .251 |
| .252 | .253-.254 | .255 |