

Class C Network: 192.168.230.0

There are necessary 30 hosts per each subnet and at least 5 subnetworks

Solution:

No. Of Subnets: $2^S \geq 5 \rightarrow S=3 \rightarrow 2^3=8$ (8 subnets)

No. Of hosts: $2^H - 2 \geq 30 \rightarrow H=5 \rightarrow 2^5=30$ (30 hosts)

Results 8 subnets and 30 hosts per each subnet.

Subnet	Subnet IP Address	Range	Broadcast IP Address
S#0	192.168.230.0	192.168.230.1-192.168.230.30	192.168.230.31
S#1	192.168.230.32	192.168.230.33- 192.168.230.62	192.168.230.63
S#2	192.168.230.64	192.168.230.65- 192.168.230.96	192.168.230.97
S#3	192.168.230.98	192.168.230.99- 192.168.230.128	192.168.230.129
S#4	192.168.230.130	192.168.230.131- 192.168.230.160	192.168.230.161
S#5	192.168.230.162	192.168.230.163- 192.168.230.192	192.168.230.193
S#6	192.168.230.194	192.168.230.195- 192.168.230.224	192.168.230.225
S#7	192.168.230.226	192.168.230.227- 192.168.230.254	192.168.230.255