Base Network: 192.168.1.0

No. of subnets: 3

No. of subnets: 2^n

2^n=3 🡺 n=2

Class C 🡺 255.255.255.0 -- 11111111.11111111.11111111.00000000

After Borrowing 2 bits,

New Binary 🡺11111111.11111111.11111111.11000000

New Subnet Mask: 255.255.255.192

Block size: 64

1st Subnet

Network ID: 192.168.1.0

Broadcast ID: 192.168.1.63

Usable IP Range: 192.168.1.1 - 192.168.1.62

Subnet Mask: 255.255.255.192

2nd Subnet

Network ID: 192.168.1.64

Broadcast ID: 192.168.1.127

Usable IP Range: 192.168.1.65 - 192.168.1.126

Subnet Mask: 255.255.255.192

3rd Subnet

Network ID: 192.168.1.128

Broadcast ID: 192.168.1.191

Usable IP Range: 192.168.1.129 - 192.168.1.190

Subnet Mask: 255.255.255.192

Server side Subnet

Network ID: 192.168.1.192

Broadcast ID: 192.168.1.207

Usable IP Range: 192.168.1.193 - 192.168.1.206

Subnet Mask: 255.255.255.240