CLASSFUL ADDRESSING

It is the method by which IPv4 addresses are classified into 5 major classes as shown

* Class – A (/8) : 1.0.0.0 to 126.255.255.255 (10.0.0.0 - 10.255.255.255 as private IPs)
* Class – B (/16): 128.0.0.0 to 191.255.255.255 (172.16.0.0 - 172.31.255.255 as private IPs)
* Class – C (/24): 192.0.0.0 to 223.255.255.255 (192.168.0.0 -192.16.255.255 as private IP)
* Class – D : 224.0.0.0 to 239.255.255.255
* Class – E : 240.0.0.0 to 255.255.255.255

8.8.8.8 -> belongs to class A with 255.0.0.0 (/8) as default subnet mask (public)

172.20.15.1-> belongs to class B with 255.255.0.0 (/16) as default subnet mask (public)

192.168.10.5 -> belongs to class C with 255.255.255.0 (/24) as default subnet mask (private)