4. You are given three IP addresses: 192.168.10.5, 172.20.15.1, and 8.8.8.8.

Identify the class of each IP address.

Determine if it is private or public.

1. **192.168.10.5**

* The first octet is 192, which falls within the **Class C** range (192 - 223).
* Default subnet mask: **255.255.255.0 (/24)**

1. **172.20.15.1**

* The first octet is 172, which falls within the **Class B** range (128 - 191).
* Default subnet mask: **255.255.0.0 (/16)**

1. **8.8.8.8**

* The first octet is 8, which falls within the **Class A** range (1 - 126).
* Default subnet mask: **255.0.0.0 (/8)**