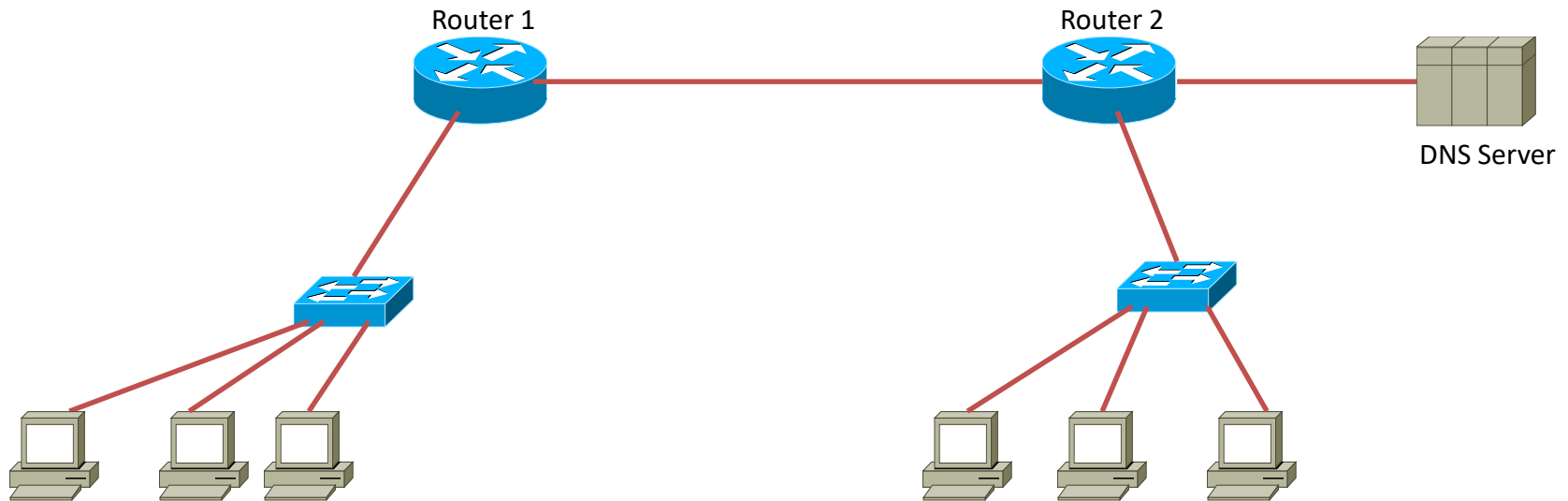


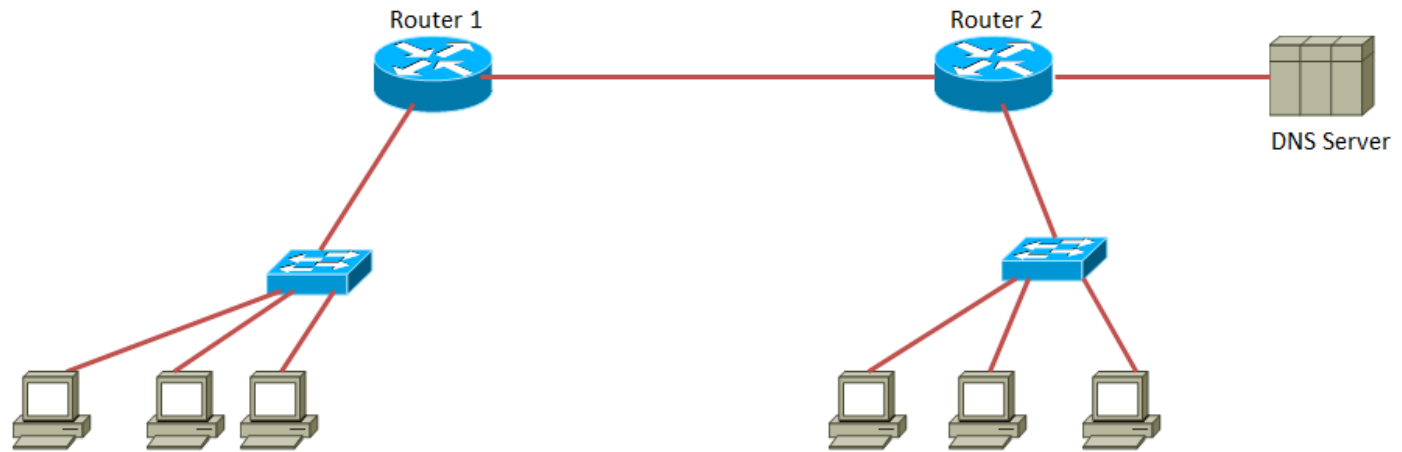
CST8108

Week 10 Review

Develop an addressing scheme for the network shown below.
You have been allocated 192.168.2.0/24
Each of the LANs should support 40 hosts
Use DHCP



How many networks are there:



A

2

B

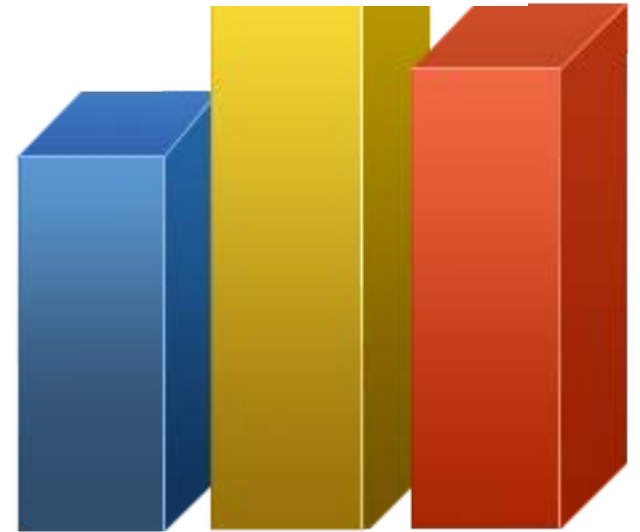
3

C

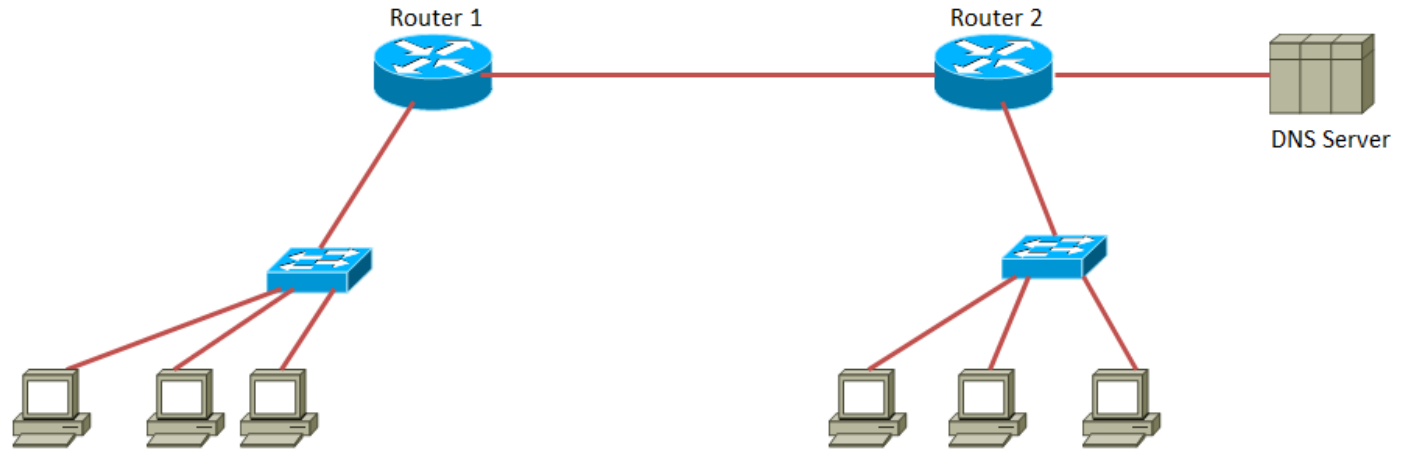
4

D

5



How many Broadcast Domains?



A

3

B

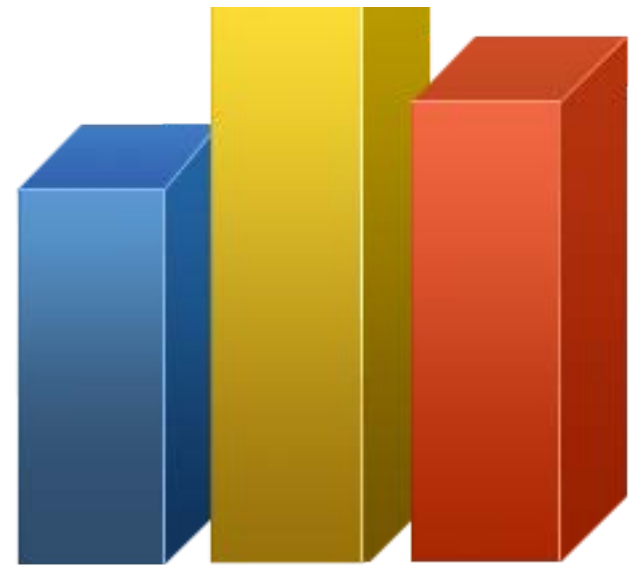
4

C

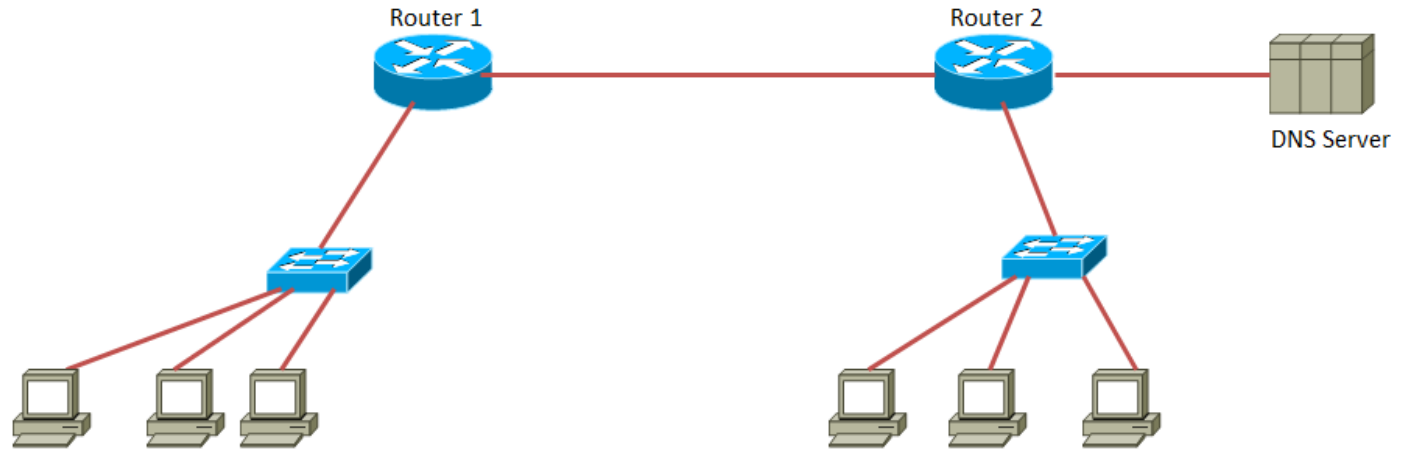
5

D

6



How Many Collision Domains?



A

6

B

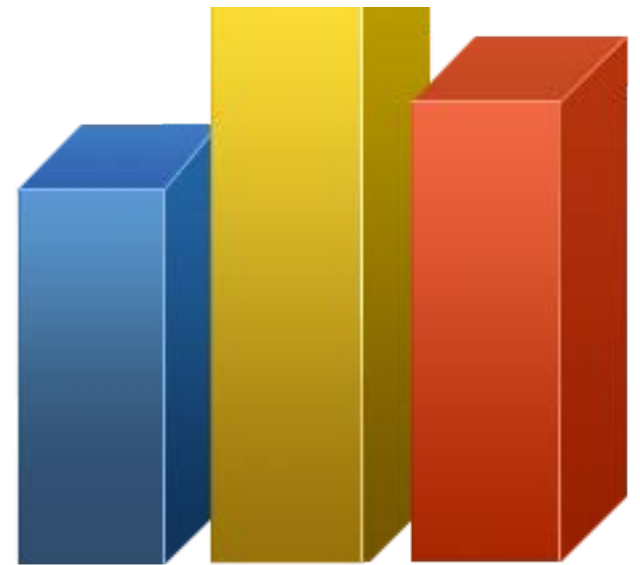
8

C

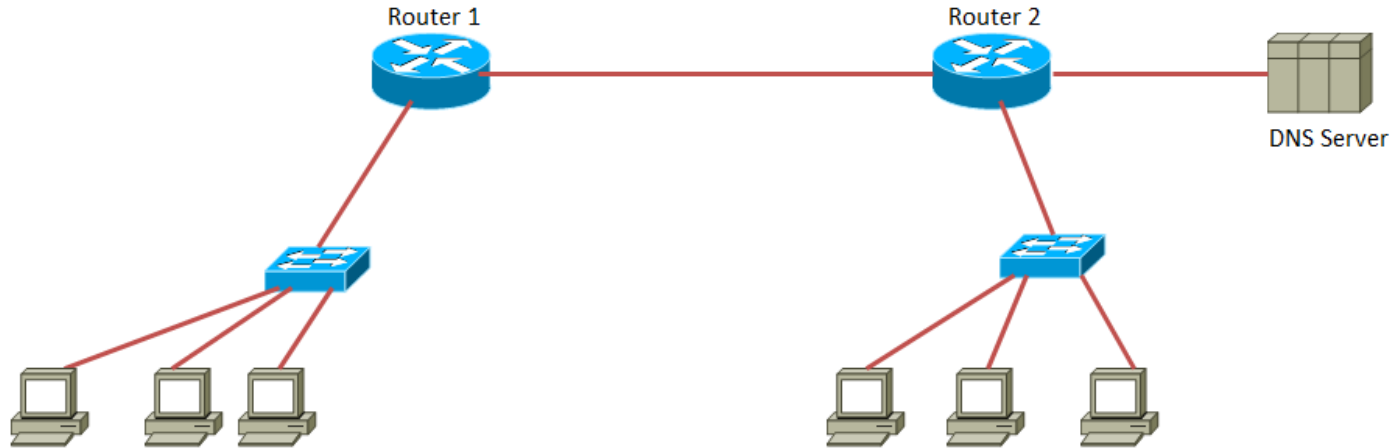
9

D

10



Would using VLSM be a good idea? Why?

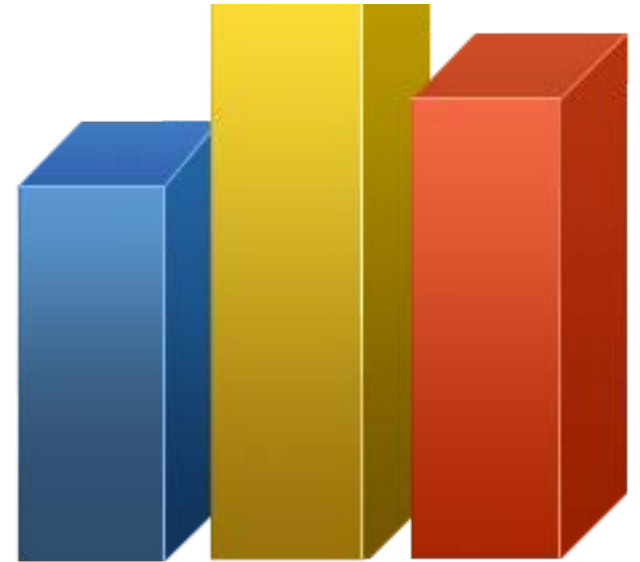


A

Yes

B

No



How many bits should be borrowed to subnet?

We will not be using VLSM

A 2

B 3

C 4

D 5



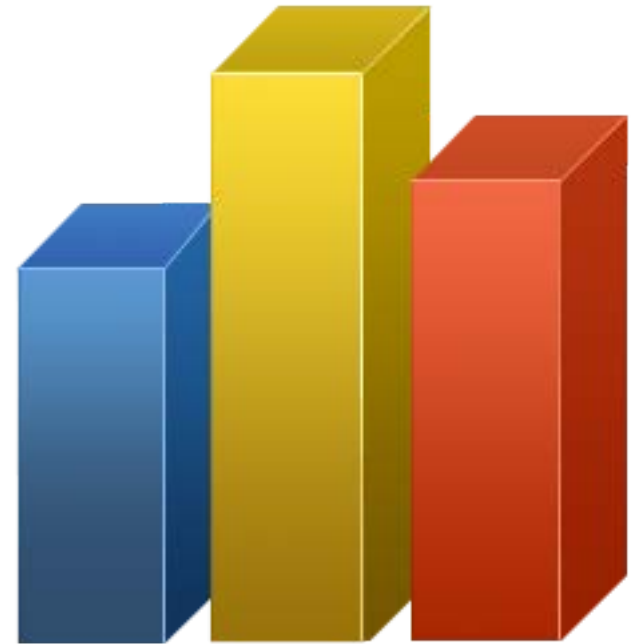
What is the subnet mask?

A 255.255.255.128

B 255.255.255.192

C 255.255.255.224

D 255.255.255.240



How many host will each subnet support?

A 32

B 30

C 64

D 62



Subnet Address	Mask	1 st Usable	Last Usable	Broadcast

Which layer of the OSI model uses Ports?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



Which is correct?

A TCP Packet

B TCP Segment



An Application layer Protocol Data Unit is called

A Data

B Segment

C App Data

D Packet



Which OSI layer does a MAC address belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



Which OSI layer does an IP address belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



Which OSI layer does a Hub belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



Which OSI layer does a Switch belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



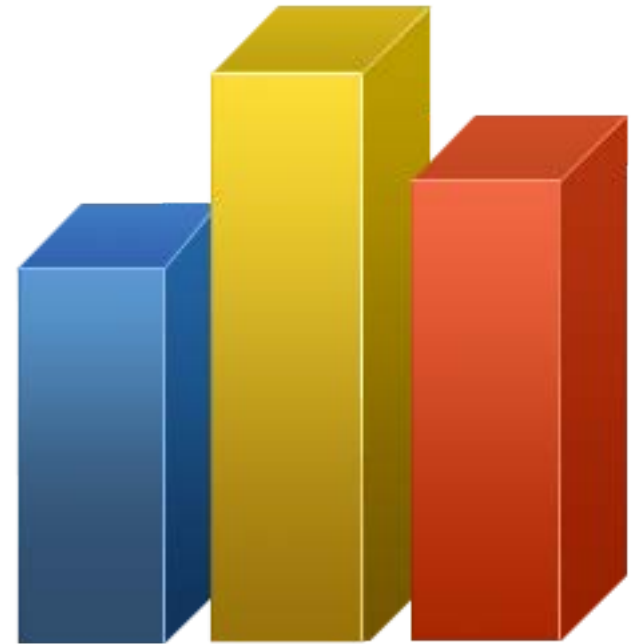
Which OSI layer does a Router belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



Which OSI layer does a CAT5e cable belong to?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E 5
- ☐ F 6
- ☐ G 7



A device that moves data between networks is a

A Repeater

B Hub

C Switch

D Router

E Bridge

