

IP Subnetting Quiz

TEST YOUR IP SUBNETTING KNOW HOW



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Rules

1. No Subnet Calculator or AI
2. 60 Seconds Per Question (use a timer and pause the video)
3. No going back to check
4. You can use notepaper for working out

I'll Show You How to
Answer ALL
subnetting questions
at the end.

Are You Ready?

YOU NEED 80% TO PASS SO 8/10.

1. IP Address 192.168.100.155/27 is in which subnet?

1. 192.168.100.0

2. 192.168.100.128

3. 192.168.100.150

4. 192.168.100.32

Please pause each question for 60 seconds and NO more.

ALL answers and explanations at the end.

Any Questions?
Put in the
comments section.

2. Which subnet is IP address 172.16.200.44 / 18 in?

1. 172.16.200.0

2. 172.16.0.0

3. 172.16.192.0

4. 172.16.128.0

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this.



3. Which IP Addresses are in subnet 192.168.100.64/28? (choose all that apply)

- 1. 192.168.100.79
- 2. 192.168.100.75
- 3. 192.168.100.100
- 4. 192.168.100.70
- 5. 192.168.100.67

4. Which IP Address is the broadcast address for subnet 172.16.200.160/29

1. 172.16.200.255

2. 172.16.255.255

3. 172.16.200.167

4. 172.16.200.179

5. What is the subnet address for host 200.144.150.111/26

1. 200.144.0.0
2. 200.144.150.0
3. 200.144.150.64
4. 200.144.150.96

6. Which subnet value will generate 16 subnets when applied to 192.168.100.0?

1. /25

2. /26

3. /27

4. /28

7. Which subnet value will generate 6 hosts per subnet when applied to 192.168.100.0?

1. /29

2. /26

3. /27

4. /28

8. Network 172.16.0.0 needs which subnet mask to make 256 subnets?

1. 255.255.0.0

2. 255.255.128.0

3. 255.255.240.0

4. 255.255.255.0

9. Network 192.168.1.0/28 provides how many subnets/hosts

1. 16/14

2. 16/16

3. 8/32

4. 8/30

10. What are some of the usable subnets for 192.168.1.0/27?

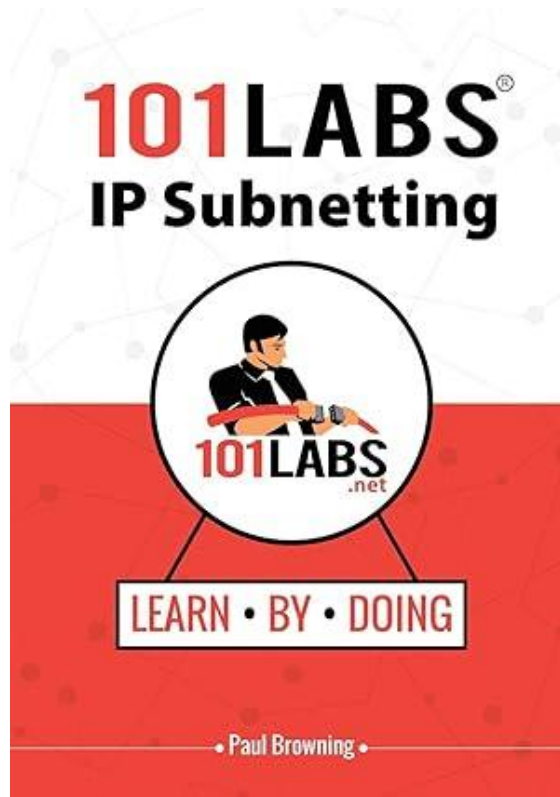
1. 192.168.1.0
2. 192.168.1.16
3. 192.168.1.32
4. 192.168.1.48
5. 192.168.1.64

Post Your Score in
the Comments!

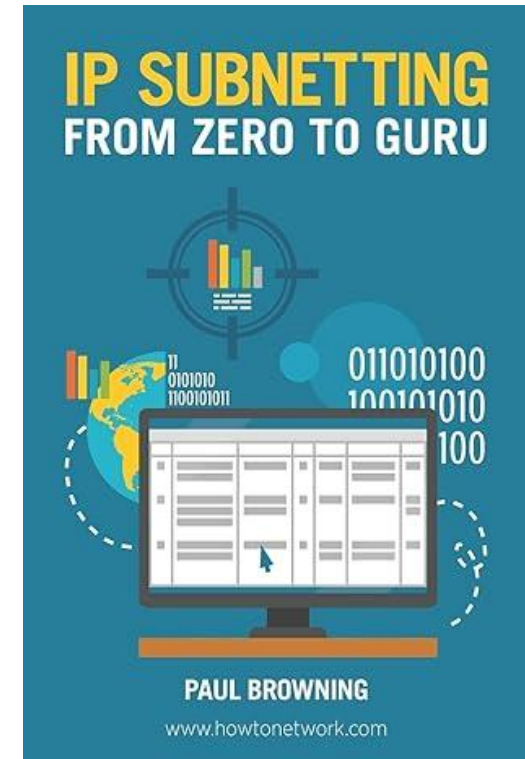
Answers Next!

Shameless Book Plug

I need to **drill** subnetting



Links in description.



I need to **learn** subnetting

	128	64	32	16	8	4	2	1
128								
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

1. IP Address 192.168.100.155/27 is
in which subnet?

CLASS

1. 192.168.100.0

2. 192.168.100.128

3. 192.168.100.150

4. 192.168.100.32

255.255.255
8 8 8

24 + 3

	128	64	32	16	8	4	2	1
128	✓	✓	✓					
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

3 127
 192..... ☐
 192-168100.155

0
 32
 64
 96
 128 ✓
 160

2. Which subnet is IP address

172.16.200.44 / 18 in?

255.255.0.0
8 8 = 16

→

1. 172.16.200.0

+ 2

2. 172.16.0.0

3. 172.16.192.0

4. 172.16.128.0

172.16.200. —
+2

	128	64	32	16	8	4	2	1
128	✓	✓						
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

172.16.200

172.16.64.0

172.16.178.0

172.16.192.0*

172.16.256.0

3. Which host IP Addresses are in subnet 192.168.100.64/28? (choose all that apply)

124 + 4

1. 192.168.100.79

2. 192.168.100.75

3. 192.168.100.100

4. 192.168.100.70

5. 192.168.100.67

SUBNET
B/C
↙

	128	64	32	16	8	4	2	1
128	✓	✓	✓	✓				
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

0
 16
 64 ~~5~~-78 79
 80

4. Which IP Address is the broadcast address for subnet $172.16.200.160/29$

24 + 5

116

1. 172.16.200.255

2. 172.16.255.255

3. 172.16.200.167

4. 172.16.200.179

	128	64	32	16	8	4	2	1
128	✓	✓	✓	✓	✓			
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

0
 8
 16
160 - 161 - 166 167
 168

5. What is the subnet address for host 200.144.150.111/26 + 2¹²⁴

1. 200.144.0.0

2. 200.144.150.0

3. 200.144.150.64

4. 200.144.150.96

111

4

0

64

~~128~~

192

	128	64	32	16	8	4	2	1
128	✓							
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

6. Which subnet value will generate 16 subnets when applied to 192.168.100.0? *DESIGN*

1. /25

2. /26

3. /27

4. /28

128

	128	64	32	16	8	4	2	1
128	✓							
192	✓							
224	✓							
240	✓							
248								
252								
254								
255								
	Subnet	Host -2						
2	✓							
4	✓							
8	✓							
16	✓							

SUBNETTING

DESIGN

7. Which subnet value will generate 6 hosts per subnet when applied to 192.168.100.0?

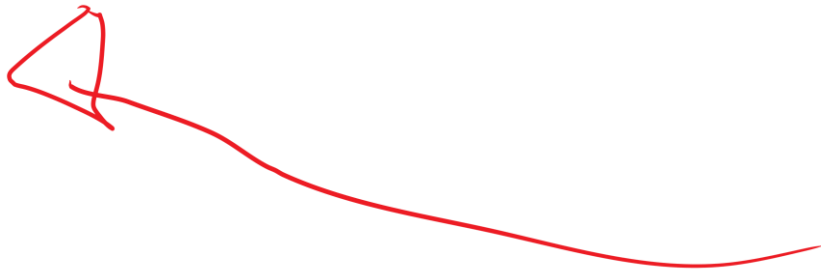
DESIGN

1. /29

2. /26

3. /27

4. /28



124+5

129

③

	128	64	32	16	8	4	2	1
128	/							
192	/							
224	/							
240	/							
248	/							
252								
254								
255								
	Subnet	Host -2						
2	✓	✓						
4	✓	✓						
8	✓	✓						
16	✓							

32 ✓

SUBNET
64 S
128 B
128

8. Network 172.16.0.0 needs which subnet mask to make 256 subnets?

1. 255.255.0.0 ~~—~~

2. 255.255.128.0

3. 255.255.240.0

4. 255.255.255.0

124

DESIGN
116

	128	64	32	16	8	4	2	1
128	✓							
192	✓							
224	✓							
240	✓							
248	✓							
252	✓							
254	✓							
255	✓							
	Subnets	Hosts -2						
2	✓							
4	✓							
8	✓							
16	✓							
32	✓							
64	✓							
128	✓							
256	✓							
512								
1024								
2048								
4096								
8192								

16 + 8
24

9. Network 192.168.1.0/28 provides how many subnets/hosts

1. 16/14

2. 16/16

3. 8/32

4. 8/30

8 4

	128	64	32	16	8	4	2	1
128								
192								
224								
240								
248								
252								
254								
255								
	Subnets	Hosts -2						
2	✓	✓						
4	✓	✓						
8	✓	✓						
16	✓	✓						
32								
64								
128								
256								
512								
1024								
2048								
4096								
8192								

2

10. What are some of the usable subnets for 192.168.1.0/27?

1. 192.168.1.0

2. 192.168.1.16

3. 192.168.1.32

4. 192.168.1.48

5. 192.168.1.64

	128	64	32	16	8	4	2	1
128	✓	✓	✗					
192								
224								
240								
248								
252								
254								
255								
	Subnet	Host -2						
2								
4								
8								
16								

127

0 ✓

32 ✓

✗ 64 ✓

96 :

128 :

160 :

192 :

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