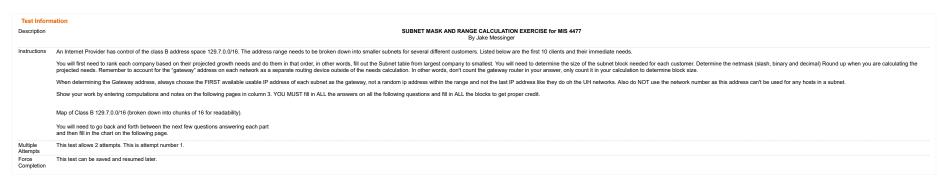
Take Test: Subnetting Assignment v1.0g – 2019SP-14978-...

Take Test: Subnetting Assignment v1.0g



Use this chart along with the next 10 questions to allocate netblock space to each entity. Fill in each block with the unique code corresponding to the Company Name: M=Myspacebook.com A=Adjecta Technologies J= Japaneiros C=Cougar Town					
M=Myspacebook.com A=Adjeta Technologies J= Japaneiros C=Cougar Town					
M=Myspacebook.com A=Adjecta Technologies J= Japaneiros C=Cougar Town					
G=GoMommy S=Spambot USA T=TinyCo, Inc B=AbraCadabra Magic N=Nothing But Net 2=2 to the 8th Power Co	715 2005				
MPORTANT: Any block that is NOT used in this form, should be filled in with a 0 (zero) to show that it wasn't needed. ALL BLOCKS must have an answer in them for proper credit. IF YOU LEAVE ANY BOX BLANK, IT WILL LOWER May of Netblock 129.7.0.0.0/22 (broken down into blocks of 16 addresses each.					
Class C 0-15 16-31 32-47 48-63 64-79 80-95 96- 112- 128- 144- 1 159 11 127 143 159 1	160- 176- 175 191	192- 207	208-2 23	224- 239	240- 255
129.7.0.0 M M M M M M M M M M	M M	M	M	M	M
129.7.1.0 M M M M M M M M M M	M M	M	M	M	M
29.7.2.0 M M M M M M M M M M	M M	M	M	M	M
129.7.3.0 M M M M M M M M M M M	M M	M	M	M	M
129.7.4.0 2 2 2 2 2 2 2 2 2	2 2	2	2	2	2
129.7.5.0 2 2 2 2 2 2 2 2 2 2 2	2 2	2	2	2	2
129.7.6.0 N N N N N N N N N	N N	N	N	N	N
129.7.0 C C C C C C C C C C C C C C C C C C C	С	С	C	C	C

129.7.0.0 M	IVI	IVI	IVI	M	IM	IVI	IVI	M	M	M	IVI	IVI	IVI	M	IVI
129.7.1.0 M	M	M	M	M	M	M	M	M	M	М	M	M	M	M	M
129.7.2.0 M	M	M	M	M	M	M	M	M	M	М	M	M	M	M	M
129.7.3.0 M	M	M	M	M	M	M	M	M	M	М	M	M	M	M	M
129.7.4.0 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29.7.5.0 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29.7.6.0 N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
129.7.7.0 C	С	С	С	C	C	С	С	С	C	С	С	С	С	С	С
129.7.8.0 A	A	A	A	A	A	A	A	S	S	S	S	В	В	В	В
129.7.9.0 G	G	J	T	0	0	0	0	0	0	0	0	0	0	0	0
129.7.10.0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129.7.11.0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(truncated)															

9 points 😾 Saved QUESTION 2

Myspacebook.com needs 480 addresses, not including a router, with 25% growth

Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer						Worl	k/Notes
Company Ranking by needs (1 to 10, 1=most IPs needed)	1						1st ra	ank ip needs
Projected IP Address Needs (Not including the gateway)	600	_					480x1	1.25=600
Binary Netmask	11111111	11111111	11111100	00000000			600+	3=603, 2^(10)=10
Decimal Netmask	255	.255	252	0			binar	y to decimal
Network address and CIDR / size	129.7. 0	0	/22				First	number in the blo
Broadcast Address	129.7.3	255					Lastr	number in the blo
Router Address (use 1st available]	129,7. 0	1					Secon	and address in the
Range of addresses for hosts	129.7. 0	2	to 129.7.3	254			Addre	esses between ro
Maximum # of Hosts in this block (not including the gateway router)	1021						1024	-3=1021
Unused(wasted) # of addresses	421						1021-	-600=421

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4/30/2019, 12:00 AM

9 points Saved

¥ Question Completion Status:

Adjecta Technologies (needs 50 addresses with a 25% growth)

Fill in the table below and show your work OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer				Work Notes
Company Ranking by needs (1 greatest to 10 least)	5	-			5th rank ip needs
Projected IP Address Needs (Not including the gateway)	63	_			50x1.25=62.5=>63
Binary Netmask	11111111	.11111111	11111111	1000000	62.5+3=66, 21(7)=128
Decimal Netmask	255	255	255	128	256-128=128
Network address AND CIDR slash notation	129.7.8	0	J 25		First address in the blo
Broadcast Address	129.7.8	127			Last address in the blo
Router Address (use 1st available]	129,7.8	1			Second address in the
Range of addresses for hosts	129.7.8	2	to 129.7.8	126	Addresses between ro
Maximum # of Hosts in this block (not including the gateway router)	125				128-3=125
Unused/wasted # of addresses	62				125-63=62

QUESTION 4

Japaneiro's needs 5 addresses, not including the gateway, with a 25% projected growth.

Fill in the table below and show your work OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer					Work/Notes	
Ranking this Company 1 to 10)	9					9th rank ip needs	
Projected IP Address Needs Not including the gateway)	7					5x1.25=6.25=>7	
Binary Netmask	11111111	11111111	11111111	11110000		7+3=10, 2^4=16	
Decimal Netmask	255	255	255	240		binary to decimal	
Network address AND CIDR slash notation	129.7.9	.32	128			First address in the blo	oc
Broadcast Address	129.7.9	.47				Last address in the blo	ж
Router Address use 1st available]	129,7.9	33				Second address in the	t t
Range of addresses or hosts	129.7.9	.34	to 129.7.9	.46		Addresses between ro	u
Max # of Hosts in this block not including the gateway)	13					16-3=13	
Jnused # of addresses	6					13-7=6	

QUESTION 5

Cougar Town needs 120 addresses, not including the gateway, with a 25% projected growth.

Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

(uestion	Answer	Work/Notes
anking this Company y needs (1 to 10)	4	4th rank ip needs
ejected IP Address Needs of including the gateway)	150	120x1.25=150
nary Netmask	1111111 11111111 11111111 00000000	150+3=153, 24(8)=256
ecimal Netmask	255 .255 .255 .0	binary to decimal
twork address AND DR slash notation	129.7.7 0 1/24	First address in the blo
oadcast Address	129.7.7 255	Last address in the bit
uter Address se 1st available]	129,7,7 1	Second address in the
nge of addresses for hosts	128.7,7 2 to 129.7.7 284	Addresses between ro
orimum # of Hosts in this block of including the gateway)	253	256-3=253
nused # of addresses	103	253-150=103

QUESTION 6

9 points Saved

9 points Vaved

9 points V Saved

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▼ Question Completion Status:

GoMommy needs 12 addresses, not including the gateway, with a 25% projected growth.

Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer Wor	ork/Notes
Company Ranking by needs (1 to 10)	Sh re	rank ip needs
Projected IP Address Needs (Not including the gateway)	15 12d	d.125=15
Binary Netmask	1111111 (1111111 11111111 11100000 15-3	+3=18, 2^5=32
Decimal Netmask	255 . 255 . 255 . 224 binar	ary to decimal
Network address AND CIDR slash notation	129.7.9 0 <u>I 27</u> Frat	st address in the bk
Broadcast Address	129.7.9 31 Last	st address in the bic
Router Address (use 1st available)	129.7.9 1 Seco	cond address in the
Range of addresses for hosts	129.7.9 2 to 129.7.9 30 Address	dresses between ro
Maximum # of Hosts in this block (not including the gateway)	29 22-3	3=29
Unused # of addresses in this block	14 29-1	15=14

9 points Saved

Spambot USA needs 45 addresses with a 25% growth.

Fill in the table below and show your work OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer Wo	ork Notes
Ranking by needs (1 to 10, 1=most IP's needed)	6	n rank ip needs
Projected IP Address Needs (Not including the gateway)	57	x1.25=56.25=>57
Binary Netmask	57-	+3=60, 2^6=64
Decimal Netmask	255 255 255 192 bins	ary to decimal
Network address AND CIDR slash notation	129.7/8 129 J 26	st address in the blo
Broadcast Address	129.7 _{.8} 191	st address in the blo
Router Address [use 1st available]	9ec	cond address in the
Range of addresses for hosts	122.7.8 130 to 129.7.8 190	ldresses between ro
Maximum # of Hosts in this block (not including the gateway router)	61	-3=61
Unused/wasted # of addresses	4 61	-57=4

QUESTION 8 9 points Saved

Tiny Co needs 3 addresses, not including the gateway, with a 25% projected growth.

Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer	Work/Notes
Ranking this Company by needs (1 to 10)	10	10th rank ip needs
Projected IP Address Needs (Not including the gateway)	4	3x1.25=3.75=>4
Binary Netmask	1111111 (1111111 11111111 1111000	4+3=7, 2/3=8
Decimal Netmask	255 255 255 248	binary to decimal
Network address AND CIDR stash notation	128.7.9 48 / 29	First address in the blo
Broadcast Address	128.7.9 63	Last address in the bic
Router Address (use 1st available)	129,7,9 49	Second address in the
Range of addresses for hosts	129.7,9 50 to 129.7,9 02	Addresses between ro
Maximum # of Hosts in this block (not including the gateway)	5	8-3=5
Unused # of addresses in this block	1	5-4=1

QUESTION 9

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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Abra Cadabra Magic needs 27 addresses with a 25% growth.

Fill in the table below and show your work OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer	Work Notes
Ranking by needs (1 to 10, 1=most IP's needed)	7	7th rank ip needs
Projected IP Address Needs (Not including the gateway)	34	27x1.25=33.75=>34
Binary Netmask	1111111 (1111111 1111111 1100000	34+3=37, 2^6=64
Decimal Netmask	255 255 255 192	binary to decimal
Network address AND CIDR slash notation	129.7. ₈ 192 J 26	First address in the blo
Broadcast Address	129.7.8 255	Last address in the blo
Router Address (use 1st available)	128.7.8 193	Second address in the
Range of addresses for hosts	129.7.8 194 to 129.7.8 254	Addresses between ro
Maximum # of Hosts in this block (not including the gateway router)	61	64-3=61
Unused/wasted # of addresses	27	61-34=27

QUESTION 10

NothingBut.net needs 200 addresses, not including the gateway, with a 25% projected growth.
Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer M	Vork/Notes
Ranking this Company by needs (1 to 10)	3	ord rank ip needs
Projected IP Address Needs (Not including the gateway)	250	100x1.25=250
Binary Netmask	11111111 11111111 11111111 00000000 2	250+3=253,2*(8)=256
Decimal Netmask	285 .255 .255 0 bi	inary to decimal
Network address AND CIDR slash notation	128.7.6 0 <i>I</i> 24	irst address in the bli
Broadcast Address	128.7 _. 6 255	ast address in the blc
Router Address (use 1st available)	S 128,7,6 1	Second address in the
Range of addresses for hosts	128.7 (6 2 to 128.7 (6 2 554	Addresses between ro
Maximum # of Hosts in this block (not including the gateway)	253	156-3=253
Unused # of addresses	3 2	253-250=3

QUESTION 11

2toThe8th Power Co needs 256 addresses, not including a router, with 25% growth

Fill in the table below and show your work in the 3rd column OR describe how you got the answer. DO NOT leave the 3rd column blank, even if how you got the answer is obvious. Describe in words what you did.

Question	Answer	Work/Notes
Company Ranking by needs 1 to 10, 1=most IPs needed)	2	2nd rank ip needs
Projected IP Address Needs Not including the gateway)	320	256x1.25=320
Binary Netmask	1111111 11111111 11111110 00000000	320+3=323, 2^(9)=512
Decimal Netmask	285 285 284 0	256-2=254
letwork address and CIDR / size	23.7 _{.4} 0 / 1 _{.23}	First number in the blo
Broadcast Address	23.7.5 255	Last number in the blo
Router Address use 1st available]	129,7,4 1	Second address in the
Range of addresses for hosts	729.7 ₁ 4 2 to 129.7.5 , 254	Addresses between ro
faximum # of Hosts in this block not including the gateway router)	509	512-3=509
Inused(wasted) # of addresses	159	509-320=189

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