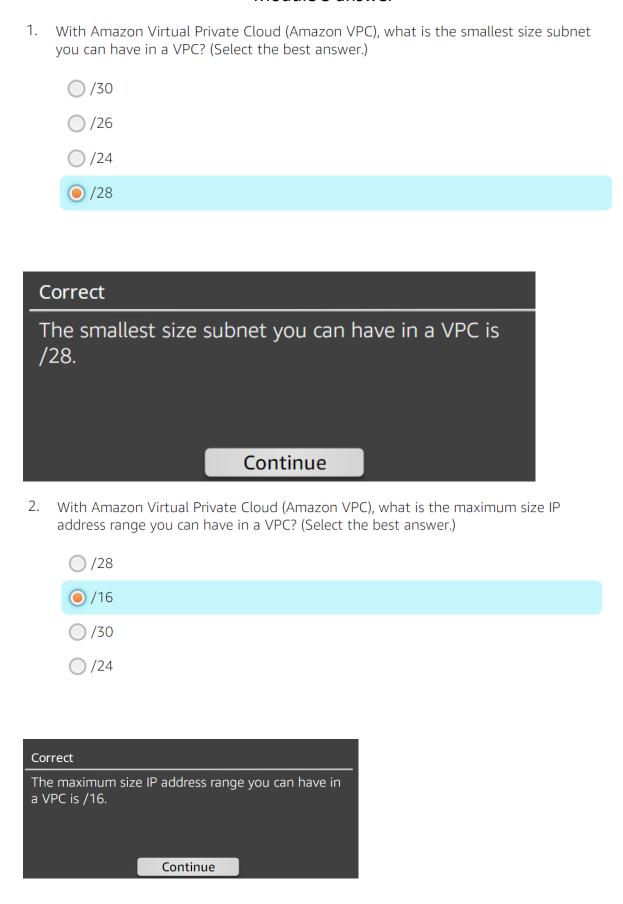
## Module 5 answer



3.	You need to allow resources in a private subnet to access the internet. Which of the following must be present to enable this access? (Select the best answer.)				
	Security groups				
	NAT gateway				
	Network access control lists				
	Route tables				
_	Correct				
а	f you need to allow resources in a private subnet to access the internet, a NAT gateway must be present o enable this access.				
	Continue				
4.	Which AWS networking service enables a company to create a virtual network within AWS? (Select the best answer.)				
	AWS Config				
	Amazon Route 53				
	Amazon Virtual Private Cloud (Amazon VPC)				
	AWS Direct Connect				
	orrect				
Amazon Virtual Private Cloud enables a company to					
create a virtual network within AWS.					
	Continue				

5. True or False? Private subnets have direct access to the internet.					
○ True					
False					
Correct					
Private subnets do not have direct access to the internet.					
Continue					
6. Which component of AWS Global Infrastructure does Amaz ensure low-latency delivery? (Select the best answer.)	on CloudFront use to				
AWS edge locations					
AWS Availability Zones					
AWS Regions					
Amazon Virtual Private Cloud (Amazon VPC)					
Correct					
To ensure low-latency delivery, Amazon CloudFronuses AWS edge locations.	nt				
Continue					

7.	Which of the following is an optional security control that can be applied at the				
	subnet layer of a VPC? (Select the best answer.)				
	○ Firewall				
	Web application firewall				
	Network ACL				
	Security group				
Со	rrect				
	network ACL is an optional security control that n be applied at the subnet layer of a VPC.				
	Continue				
8.	What happens when you use Amazon Virtual Private Cloud (Amazon VPC) to create a new VPC? (Select the best answer.)				
	Three subnets are created by default in one Availability Zone.				
	Three subnets are created by default: one for each Availability Zone.				
	An internet gateway is created by default.				
	A main route table is created by default.				
C	orrect				
	Then you create a VPC, a route table is created by efault. You must manually create subnets and an atternet gateway.  Continue				

9.	Which of the following can be used to protect Amazon Elastic Compute Cloud (Amazon EC2) instances hosted in AWS? (Select the best answer.)				
	O Internet Gateway				
	Security group				
	○ AMI				
	All of the above				
	Correct				
	A security group acts as a virtual firewall for your instance to control inbound and outbound traffic  Continue				
10.	You are a solutions architect who works at a large retail company that is migrating its existing infrastructure to AWS. You recommend that they use a custom VPC. When you create a VPC, you assign it to an IPv4 Classless Inter-Domain Routing (CIDR) block of 10.0.1.0/24 (which has 256 total IP addresses). How many IP addresses are available? (Select the best answer.)				
	O 250				
	<b>2</b> 46				
	<ul><li>251</li></ul>				
	O 256				
(	Correct				
The subnet has 256 IP addresses but only 251 are available because 5 are reserved.					
	Continue				