Create Subnets in a VPC

Customer scenario

Your role is a cloud support engineer at AWS. During your shift, a customer from a startup company requests assistance regarding a networking issue within their AWS infrastructure. The following is the email and an attachment regarding their architecture.

Hello, Cloud Support!
I'm new to AWS, and I need help setting up a VPC. Can you please help me
through the setup process? I would like to build only the VPC part and would
like to make it look something like the following picture. Can you help me
ensure I have around 15,000 private IP addresses in this VPC available? I would
also like the VPC IPv4 CIDR block to be a 192.x.x.x. I don't remember which is a
private range though. Can you confirm that? I would also like to allocate at
least 50 IP addresses for the public subnet