

Q78. A server runs a regional web application. It services the requests coming in from all regional offices. Each request is completed in 80 milliseconds on average. A total of 10 requests per second arrive at the server on average. If the M/M/1 queuing model can be applied, how many requests are waiting for the service on average?

a) 3.20

b) 4.00

c) 4.66

d) 5.00