Let X be a random variable representing the response time of a router (in seconds)

Given that,

X~Gamma(a=5,b=13.2)

Where,

a is the shape paramater

& b is the scale parameter

Here we have to fin the 90TH percentile of the response time of router

Using excel,

=GAMMA.INV(0.9,5,13.2)

**Ans: 105.52**