Previous year JEE questions 1

What is the increase in volume, when the temperature of 600 ml of air increases from 27oC to 47° C under constant pressure?

Using T2V1=T1V2

V1=600ml, T₁=27°C=300K

V2=? T2=320K

320*600=300V2

⇒V2=640ml

Change in volume=640-600

=40ml