

Sol. 3 As the value of $\frac{0}{1} = 0$ and maximum value is 1

but the value of $\frac{5}{10} = 0.5$

So by observing these values $\frac{5}{10} = \frac{1}{2}$

So $\frac{5}{10}$ can never lie between $\frac{1}{2}$ and 1.

(B) false is the correct answer.