## QUESTION

If $p(A)=0.2, p(B)=0.4$ and $p(A$ or $B)=0.5$, what is $p(A$ and $B)$ ? ANSWER
$p(A$ or $B)=p(A)+p(B)-p(A$ and $B)$.
Therefore $p(A$ and $B)=0.2+0.4-0.5=0.1$

