**2C Conditional Probability in Venn Diagrams**

1. $A$ and $B$ are two events such that $P\left(A\right)=0.55$, $P\left(B\right)=0.4$ and $P\left(A∩B\right)=0.15$.
2. Draw a Venn diagram showing the probabilities for events $A$ and $B$.

Find:

1. $P\left(B\right)$
2. $P\left(\left(A∪B\right)\right)$
3. $P(A^{'}|B^{'})$