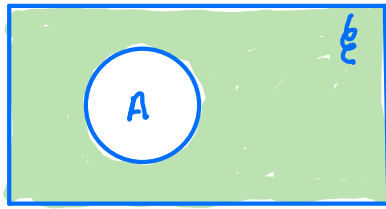
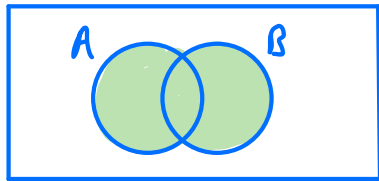


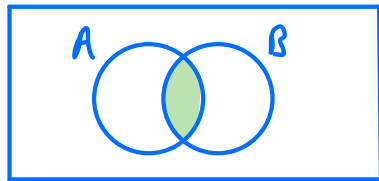
Venn Diagrams



not A written A' or A^c
or the complement of A



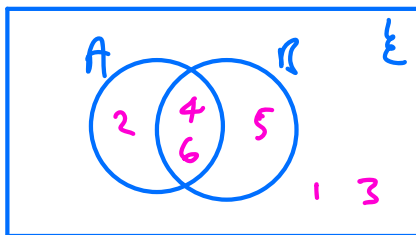
$A \cup B$ A union B
everything in A, B or both



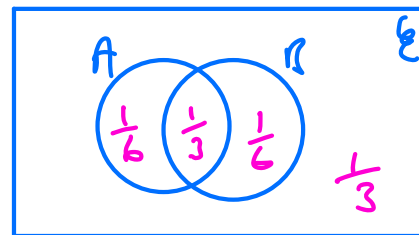
$A \cap B$ A intersect B
everything in both

Venn diagrams can show actual numbers,
totals and probabilities

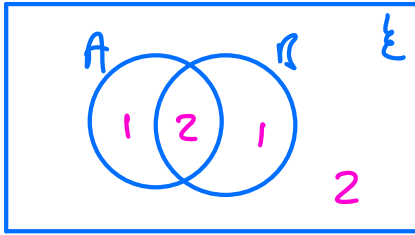
Examples Let A be even numbers on die
Let B be numbers > 3



Actual Numbers



Probabilities
summing to 1



Totals of numbers
in each section
of diagram
