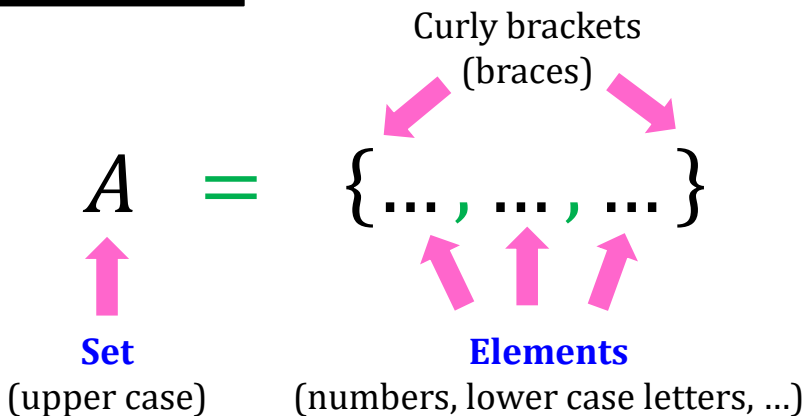
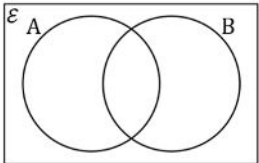
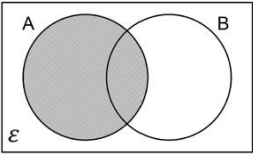
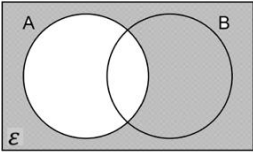
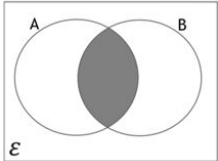
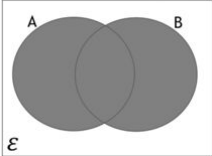




Set Notation		Venn Diagram
$\mathcal{E}$	Universal set This is all the items (elements) which can appear in any set. Sometimes shown as U.	
$\in$	'is an element of'	e.g. $4 \in \{\text{even numbers}\}$
$\notin$	'is NOT an element of'	e.g. $4 \notin \{\text{odd numbers}\}$
A	Set A	
A'	The complement of Set A is all the elements NOT in A	
$\cap$	Intersection This is all the items which appear in set A <u>and</u> in set B.	$A \cap B$ 
$\cup$	Union This is all the items which appear in set A <u>or</u> in set B <u>or</u> in both sets.	$A \cup B$ 

Probability Notation

$P(A)$	The probability of event A happening
$P(A')$	The probability of event A not happening

$P(A) + P(A') = 1$