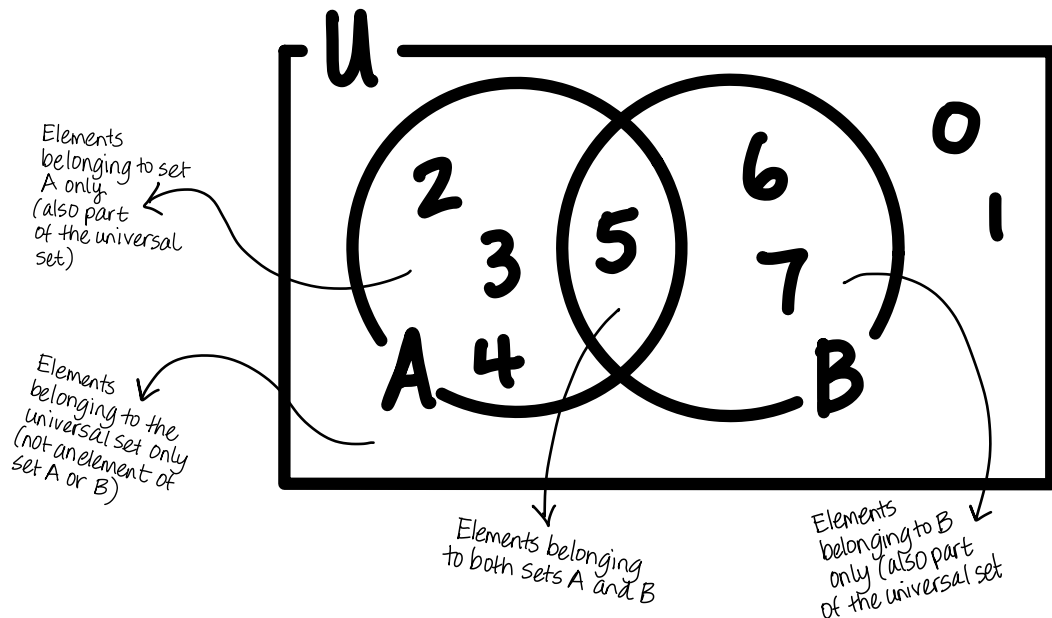
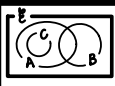


STUDY GUIDE = VENN DIAGRAM



This Venn Diagram has two sets - A & B. Sets are labelled with any capital letter. The universal set is labelled with U or \mathcal{U} . Set A has four elements or members while set B has three elements. Set A and B share one element. Two elements do not belong to set A or B.

www.suzannesardinha.com

SYMBOL	NAME	"think"	How the answer is written
U or \mathcal{U}	universal set	everything or universe	$U = \{0, 1, 2, 3, 4, 5, 6, 7\}$ must use curly brackets
\cup	union	or	$A \cup B = \{5, 2, 3, 4, 6, 7\}$ must use curly brackets
\cap	intersection	and	$A \cap B = \{5\}$ must use curly brackets does not have to be written in numerical order
\subset	subset of	subset of a set entirely inside another set	 Set C is a subset of set A $C \subset A$ All the elements in set C also belong to set A
A'	"A" prime or complement	not in "A"	$A' = \{0, 1, 6, 7\}$ must use curly brackets
B'	"B" prime or complement	not in "B"	$B' = \{0, 1, 2, 3, 4\}$ must use curly brackets
$n(A)$	number of elements in A	number of elements in A	$n(A) = 4$ no curly brackets used The answer will always be a single number
$n(B)$	number of elements in B	number of elements in B	$n(B) = 3$ no curly brackets used