

OLYMPIAD · MENTAL ABILITY · OLYMPIAD PREPARATION · FORMULA BANK

Chapter 8: Venn Diagrams

Every formula and result of the chapter on one sheet

1	At least one of two groups	$n(A \cup B) = n(A) + n(B) - n(A \cap B)$
2	Only A	$n(A) - n(A \cap B)$
3	Exactly one of two groups	$n(A) + n(B) - 2n(A \cap B)$
4	Neither	$\text{total} - n(A \cup B)$