

*A*

*B*

$A \cap B$



A Venn diagram illustrating the intersection of two sets, A and B. Set A is represented by a red oval on the left, and Set B is represented by a green oval on the right. The intersection of A and B, denoted as  $A \cap B$ , is the region where the two ovals overlap. This intersection is shaded light blue and contains a grid of red and green dashed lines. The label  $A \cap B$  is centered within this shaded region in a blue serif font.