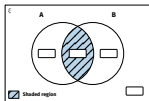


Build Tasks



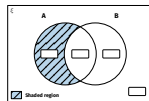
Given a shaded Venn diagram, write the matching set notation expression.

1.



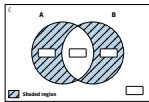
Write the notation for the shaded region.

2.



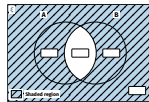
Write the notation for the shaded region.

3.



Write the notation for the shaded region (exactly one set).

4.



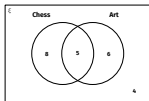
Write the notation for the shaded region.

Build Tasks



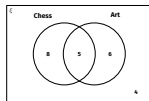
Use set notation to calculate cardinalities, including complements.

5.



State $n(\text{Chess} \cap \text{Art})'$ (everyone NOT doing both).

6.



State $n(\text{Chess} \cup \text{Art})$.

7. ξ has 30 elements. $n(A) = 18$.
Find $n(A')$.

8. $A = \{1, 2, 3, 4, 5\}$,
 $B = \{3, 4, 5, 6, 7\}$. List the elements
of $A \cap B$ and $A \cup B$.