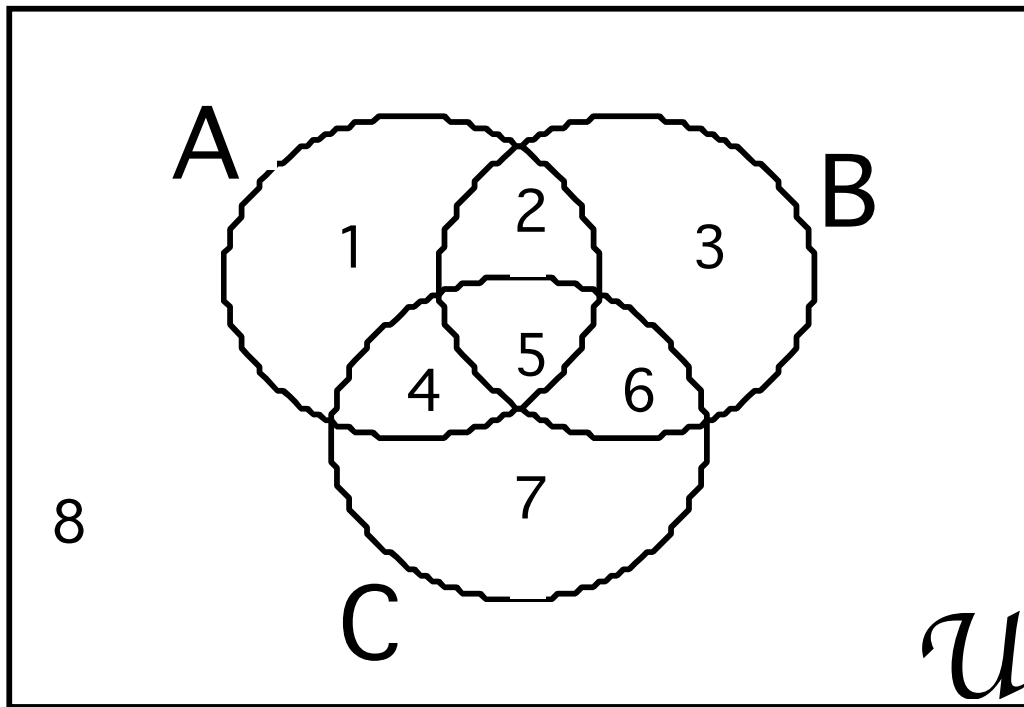


Venn Sports



Find the region(s) corresponding to the following set operations.

1. $A \cup (B \cap C)$

2. $A \cap (B \cup \bar{C})$

3. $\bar{A} \cap \bar{C}$

In a school of 1,450 students, 44 are playing baseball, 60 play football, 24 play soccer, 25 play football and baseball only, 6 play soccer and football only, 8 play soccer and baseball only, and 3 play all three sports. Show your work on the Venn diagram above. Use A for football, B for baseball and C for soccer.

4. How many participate only in baseball?

5. How many participate in one or more of the three sports?

6. How many participate in none of the sports?



