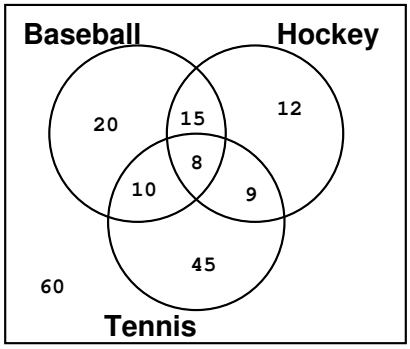
1. Use the information $n(J) = 15$, $n(J \cap K) = 5$, and $n(J \cup K) = 18$ to compute $n(K)$

   $n(J \cup K) = n(J) + n(K) - n(J \cap K)$
   $18 = 15 + n(K) - 5$
   $n(K) = 8$

2. A group of people were surveyed on which of these three sports they watched on Tv: Hockey (H), Baseball (B), and/or Tennis (T).




   (a) How many people watched only two of these sports?

   10+15+9 = 34

   (b) $n(H^C \cap B) =$

   20+ 10 = 30

   (c) $n(T \cup H) =$

   10+8+9+45+15+12 = 99

3. Shade the part of the venn diagram that is represents each of the given sets.

   $C \cup (A \cap B^C)$