Answer:

Let  $A_1$ ,...,  $A_m$  be finite sets and denote  $|A_i|$  as the number of elements in  $A_i$ .

Then  $A_1 \cup \dots \cup A_m$  is a disjoint union (ff  $|A_i| + \dots + |A_m| = |A_1 \cup \dots \cup A_m|$ .