Practice Homework 1

- If D_1 has n_1 elements and D_2 has n_2 elements, then how many elements are there in $D_1 \times D_2$?

  - $|D_1| = n_1$, $|D_2| = n_2$, what is $|D_1 \times D_2|$?

- If D_i has n_i elements, then how many elements are there

  in $D_1 \times \ldots \times D_k$?

- How many relations can one construct from $D_1 \times \ldots \times D_k$?