

## Dobble, it's differents symbols equaly distributed, on card with one and only one identical symbol between each cards.



Presentations in the colleges of Pertuis

Meeting with the researcher of INRIA Sophia Antipolis


Here, there are 10 symbols, 5 cards and 1 symbol in common between each card. It's not perfect.


We can't make a perfect game withany number of cards or symbols.
includes as many symbols as cards. We can't add other cards or symbols.

This is the original game. It's sold with 55 cards instead of 57


A game is « perfect » when it


Exchanges during the ERASMUS mobility in Ales

| Number of <br> cards | Number of <br> symbols per <br> cards |
| :---: | :---: |
| 3 | 2 |
| 7 | 3 |
| 13 | 4 |
| 21 | 5 |
| 31 | 6 |
| 43 | 7 |
| 57 | 8 |
| 73 | 9 |
| 91 | 10 |

For exemple, it's impossible to make a perfect game of 5 cards and 5 symbols.

