Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1   Is Dobble a game of chance (stochastic game) or a speed game?

2   Take two random cards from the deck. How many symbols do they have in common? Is this number the same for any two cards?

3   Take two random symbols. Can you find a card which has both of these symbols ? Could there be another card with these two symbols?

4   Using the blank circles try and create a mini dobble game following these rules. (It will be easier to use letters or numbers rather than fancy symbols!):

* 1. each card contains 3 symbols
  2. each pair of cards share exactly one symbol
  3. each pair of numbers appear together on some card

How many symbols did you need ?

How many cards have a particular symbol on them ?

Is that always the case ?

5   Now try to calculate the number of cards in the game of Dobble given that there are 8 symbols per card.