

Deck of cards

- a) what is the probability of picking a red card out of the deck of cards?
- b) picking a heart?
- c) picking a heart or spade?
- d) picking a card other than a diamond?
- e) picking an ace?
- f) picking two aces from the deck?
- g) picking the king of diamonds?
- h) ... how about now?
- i) holding a flush on a deal of 5-card draw?

Marbles

There is a bag of marbles that contains 3 red, 5 blue and 2 yellow marbles. Find the probabilities

- a) picking a blue marble at random?
- b) picking a yellow marble?
- c) picking a marble that is not yellow?
- d) picking out a red marble, placing it aside, then picking another red marble?
- e) picking out a pair of marbles that are not blue?