

1. In blackjack there are sixteen cards that count as ten: ten, jack, queen, king for each of 4 suits ♠♣♦♥. There are 52 cards in the deck. You draw at random. What is the probability that the card counts as 10?
2. Without doing any more work, what is the probability it does not count as a ten?

Roll two dice and record the total.

3. What is the probability you roll a seven?
4. What is the probability you roll an eight?
5. What is the probability you roll a seven or an eight?
6. What is the probability you do not roll a seven or an eight?