(2) drawer of socks 7 black, 8 blue, 9 green 2 socks are chosen randomly (a) probability they match? 24 23 ... probability of choosing two black socks (6) probability of black pair?  $\Rightarrow$   $\frac{7}{24} \cdot \frac{6}{23} = \frac{42}{552} = 0,076$