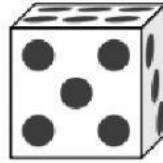


## Probability of Independent Events

If two events, A and B are independent, then the probability that both will happen is  $P(A) \times P(B)$



A penny is tossed and a number cube is rolled. Find the probabilities.

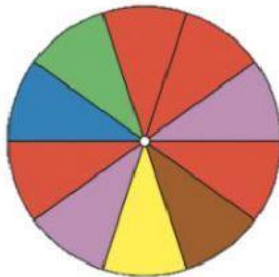
1.  $P(\text{tails}, 4) = \underline{\hspace{2cm}}$

2.  $P(\text{heads}, \text{odd number}) = \underline{\hspace{2cm}}$

3.  $P(\text{heads}, \text{not } 3) = \underline{\hspace{2cm}}$

4.  $P(\text{tails}, 7) = \underline{\hspace{2cm}}$

You spin both spinners, Find the probabilities.



5.  $P(\text{blue}, 3) = \underline{\hspace{2cm}}$

6.  $P(\text{red}, 3) = \underline{\hspace{2cm}}$

7.  $P(\text{yellow}, 2) = \underline{\hspace{2cm}}$

8.  $P(\text{green}, 5) = \underline{\hspace{2cm}}$

9.  $P(\text{purple}, \text{odd number}) = \underline{\hspace{2cm}}$

10.  $P(\text{blue}, \text{even number}) = \underline{\hspace{2cm}}$

11.  $P(\text{white}, 1) = \underline{\hspace{2cm}}$

12.  $P(\text{brown}, 5) = \underline{\hspace{2cm}}$

