

A game is played using the spinner below with 10 equal sections.

What is the probability of landing on 5?

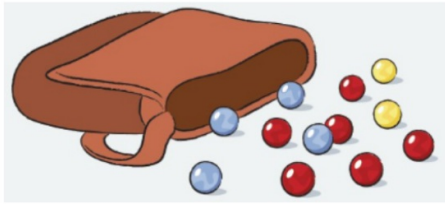
$$P(5) = \frac{1}{10}$$

What is the probability of landing on a number greater than 3?

$$P(\text{greater than } 3) = \frac{6}{10} = \frac{3}{5}$$



A bag contains 2 yellow, 6 red, and 4 blue marbles.



What is the probability of drawing a yellow marble?

$$P(\text{yellow}) = \frac{2}{12} = \frac{1}{6}$$

What is the probability of drawing a red or blue marble?

$$P(\text{red or blue}) = \frac{10}{12} = \frac{5}{6}$$

A cup contains 1 red, 1 blue, 1 green, and 1 yellow marble.

What is the probability of drawing a green marble?

$$P(\text{green}) = \frac{1}{4}$$

What is the probability of drawing a non-green marble?

$$P(\text{non-green}) = \frac{3}{4}$$



When Jenna goes to the farmer's market, she buys broccoli. The possible number of heads of broccoli she can buy, along with the probability of each, are in the table below.

Number of Heads of Broccoli	0	1	2	3	4
Probability	$\frac{1}{12}$	$\frac{1}{6}$	$\frac{5}{12}$	$\frac{1}{4}$	$\frac{1}{12}$

What is the probability of Jenna buying less than 3 heads of broccoli?

$$P(\text{buy less than 3 heads}) = \frac{5}{12} + \frac{1}{6} + \frac{1}{12} = \frac{8}{12} = \frac{2}{3}$$

What is the probability of Jenna NOT buying exactly 2 heads of broccoli?

$$P(\text{not buying 2 heads}) = \frac{1}{12} + \frac{1}{6} + \frac{1}{4} + \frac{1}{12} = \frac{7}{12} \quad \text{OR} \quad 1 - \frac{5}{12} = \frac{7}{12}$$