

1) There are 3 marbles, 2 yellow marbles, and 4 red marbles in a bag. What is the probability that a marble chosen is not a red marble?

- a) Find the size of the sample space
- b) Find the favorable outcomes
- c) Find the probability.

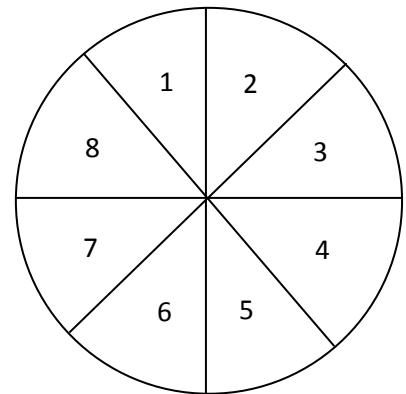
2) What is the probability that a letter selected from the word Mississippi is the letter I?

- a) Find the size of the sample space
- b) Find the favorable outcomes
- c) Find the probability.

The spinner is spun once. Write the probability as a ratio.

3) $P(9)$

4) $P(\text{not } 3)$



5) $P(\text{odd number})$

6) $P(3)$

7) $P(\text{even number})$

8) $P(n < 4)$

9) $P(7)$

10) $P(n > 2)$

11) $P(\text{not } 2)$

12) $P(\text{not } 5)$

Answer Key

- 1) a. 9, b. 5, c. $\frac{5}{9}$
- 2) a. 11, b. 4, c. $\frac{4}{11}$
- 3) 0
- 4) $\frac{7}{8}$
- 5) $\frac{1}{2}$
- 6) $\frac{1}{8}$
- 7) $\frac{1}{2}$
- 8) $\frac{3}{8}$
- 9) $\frac{1}{8}$
- 10) $\frac{3}{4}$
- 11) $\frac{7}{8}$
- 12) $\frac{7}{8}$