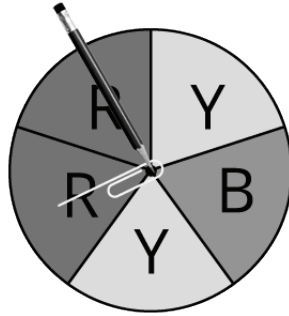


1 Theoretical Probability

Your Turn Questions

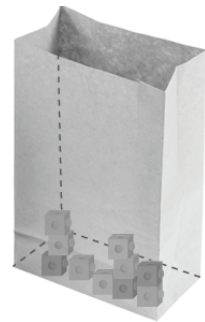
1. What is the theoretical probability of spinning red on this spinner?

- A $\frac{2}{7}$
- B $\frac{2}{5}$
- C $\frac{2}{3}$
- D $\frac{1}{3}$



2. A bag contains 3 colours of cubes:
3 yellow cubes, 3 red cubes, and 4 blue cubes.

Is the probability of choosing yellow $1:3$ or $3:10$?
Explain why the other choice is incorrect.



1

Theoretical Probability

Your Turn Questions (continued)

3. Imagine that all the numbers from 1 to 100 are written on pieces of paper of equal size and put in a paper bag. You choose a number without looking.
- a) What is the probability of choosing a two-digit number that has a repeating digit (e.g., 22)?
- b) What is the probability of choosing a number that has a tens digit greater than its ones digit?
4. If the probability of an event is $7:8$, what do you know about the situation?