COSMOS
COACHING CENTRE

Relative Freq and Probability

Complementary Events

A ball is chosen at random from a bag containing four different colours: brown, orange, purple and yellow. If $P(O) = \frac{2}{11}$, $P(P) = \frac{2}{9}$ and $P(Y) = \frac{1}{4}$, find the probability of the following outcomes.

a Not a yellow ball
b Not an orange ball
c Not a purple ball
d Orange or a purple ball
e Yellow or a purple ball
f Not a brown ball
g A brown ball
h Not an orange or a yellow ball

Samuel selects a card at random from a normal pack. Find the probability of obtaining the following outcomes.

a Not a queen
b Not a red ace

What is the probability that a person selected at random will:

a not be born on Saturday?
b not be born on a weekend?