Solved Example:

The probability of event A, P(A) is 2/7 and the probability of event B P(B) is 1/9

What's the probability of events A and B both?

P(A and B) = P(A) X P(B) = $\frac{2}{7} \times \frac{1}{9} = \frac{2}{63}$

Q1)

The probability of flipping a head P(heads) is $\frac{1}{2}$ and the probability of choosing a yellow ball P(yellow) is $\frac{1}{12}$.

The probability of both is:

P(heads and yellow) = P(heads) X P(yellow)

P(heads and yellow) = ——— × ——— = $\frac{1}{\text{———}}$

Q2)

A dice is rolled and a penny is flipped. Find the probability of rolling a 2 and landing on tail.

P(2) = ———

P(Tails) = ———

P(2 and tails) = ——— × ——— = $\frac{1}{\text{———}}$

Q3)

A bag contains 3 red marbles, 2 green marbles, and 4 blue marbles (total of 9 marbles). A marble is drown, then placed back, then another one is drown.

What is the probability that the first marble is blue and the second is green ?

P(blue) = ———

P(green) = ———

P(first blue and then green) = ——— × ——— = ———

Q4)

The forecasts predicts a 40% chance of rain on Tuesday, and a 60% chance of rain on Wednesday.

What is the chance it will rain on both days?

P(rain on Tuesday) =

P(rain on Wednesday) =

P(rain on Tuesday and Wednesday) = X =

LIVEWORKSHEETS