SIMPLE PROBABILITY

Compliment of an events

Q1.
The probability that Isaac goes swimming is 0.42. Find the probability that he does not go swimming

– =

Q2.
The yellow marble is picked at random from a box is 0.65. find the probability that a yellow marble is not picked up.

– =

Q3.
The following table shows the modes of transport for a group of students

Mode of transport	Frequency
Bus	225
Car	50
Motorcycle	145

n(S) =

A student is chosen at random, find the probability that the student go to school by

a) Bus

P(Bus) = _____

b) Not by bus

P(not by bus)

= – _____

= _____

Q4.
A fair dice is tossed. The table below shows the results of the experiment.

Number	1	2	3	4	5	6
Frequency	250	360	225	165	420	180

n(S) =

Find the probability of obtaining

a) Prime number

n(prime number)

=

P(prime number)

= _____

b) Not prime number

P(not prime number)

= – _____

= _____

Q6.
In a farewell party, there are 20 canned drink, 10 box drinks and 12 bottles drinks for a group of 42 guests. Find the probability that a guest picked a non-bottled drink.

n(S) =

P(bottle drink) = _____

P(non bottle drink) = – _____

= _____

Q7.
There are 30 adults and 10 children in a bus. 5 adults and 4 children got off the bus at the first bus stop. If a passangger is chosen at random after that, find the probability that the passenger chosen is not an adult.

n(S) =

P(adult) = _____

P(not adult) = – _____

= _____

Q8.

Given that set P = {1, 2, 3, 4, 5, 6} and Q = {Red, Blue, Black, Yellow, white}. A number is chosen at random from set P and coloured card is chosen from another box.

Complete the table below:

	Red (R)	Blue (E)	Black (C)	Yellow (Y)	White (W)
1	1,R				
2					
3					
4					
5					
6					

n(S) =

From the table, answer the following questions.

a) What is probability of number 1,2,3 and colour with 3,4 and 5 letter is chosen?

n(A) =

P(A)

= _____

b) What is probability of even number and colour with letter B is chosen

n(even number, letter B colour) =

P(even number, letter B colour)

= _____

Q9.

Two box contains a set of letter cards which can form a word "KEMAHIRAN" and a number is picked from {2,4,6,8,10}. A letter and a number are picked at random from the box. List all the elements of event of picking by completing the table below:

	2	4	6	8	10
K					
E					
M					
A					
H					
I					
R					
A					
N					

From the table, answer the following questions.

n(S) =

a) What is probability of multiple of 4 and vowel is chosen?

n(A) =

P(A)

= _____

b) What is probability of factor of 16 and consonant is chosen

n(factor 16, consonant) =

P(factor 16, consonant)

= _____