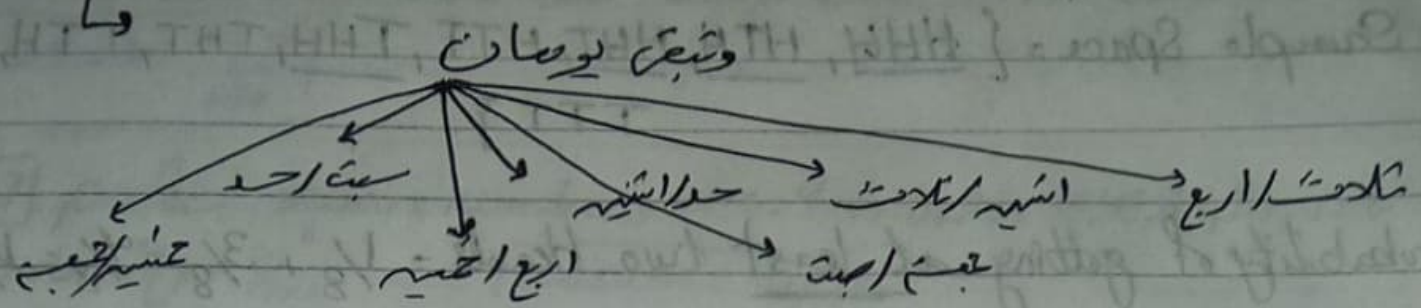


[1] leap year \rightarrow 366 day

[52] = $366/7$ احتمال ان يوم الأحد يظهر بشكل عام طول السنة



ظهور الأحد كانت مرشحة 7

answer: $2/7$

[2] Bag doesn't contain any black ball

answer: $0/5$

[3] $1 - 0.85 = 0.15 = 3/20$

answer: $3/20$

[4] 4, 8, 12 are the numbers

\therefore The prob.. is $3/15 = 1/5$ answer: $1/5$

[5] $2 * 2 * 2 = 8$ answer: 8

[6] prime between 1, 35 are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

answer: $11/35$

8] answer: 7/15

9] Sample Space = { HHH, HTH, HHT, HTT, THH, THT, TTH, TTT }

Probability of getting at least two Heads = $\frac{1}{8} + \frac{3}{8} = \frac{4}{8} = \frac{1}{2}$

answer: $\frac{1}{2}$

11] even num.s are 2, 4, 6 \Rightarrow The Prob. = $\frac{3}{6} = \frac{1}{2}$

answer: $\frac{1}{2}$

12] Sample space = { HH, HT, TH, TT } answer: $\frac{1}{4}$

13] (3, 6), (6, 3), (5, 4), (4, 5) answer: $\frac{1}{9}$
 $\frac{4}{36} = \frac{1}{9}$

14] Prime numbers between 1, 100 are
2, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79,
83, 89, 97

$$\frac{25}{100} = \frac{1}{4}$$

answer: $\frac{1}{4}$

Number of Blue balls =

[22] Riya will have one of 365 days of the year as her birthday. Also, Kajal will have one of the 365 days.

The total number of ways in which Riya and Kajal may have their birthday are: 365×365

Riya and Kajal may have the same birthday on any one of 365 days.

1. The number of ways in which Riya and Kajal may have the same birthday is $= \frac{365}{365 \times 365} = \frac{1}{365}$

answer: $\frac{1}{365}$

[23] $(-1 \text{ or } 0 \text{ or } 1)^2 < 2$ 3 numbers of 5

answer: $\frac{3}{5}$

[24] $\frac{1}{3} \times 24 = 8$

answer: 8

[25] the numbers are: 12, 24, 36, 48 $\frac{4}{50} = \frac{2}{25}$

answer: $\frac{2}{25}$