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{Stats - Test}

Q-3 Three coin are tossed, find the probability that two head and one tail are obtained ?

Possible outcome for one coin = H, T

HHH	HTT
* HHT	THT
* HTH	TTH
* THH	TTT

8 outcome

Possible Outcomes / Outcomes = 3/8

0.375

37%

Q-4 Dice - 2 Dice - 6 x 6 - 36 Outcome

a) Equal to 1

Min sum for two dice 1+1 = 2

Equal to 1 not possible.

b) less than or equal to 4

Possible outcomes - 2, 3, 4

Sum 2 = (1,1) - 1

Sum 3 = (2,1) (1,2) - 2 = 6

Sum 4 = (2,2) (1,3) (3,1) - 3

6/36 = 1/31

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Redwine

c) Sum divisible by 2 or 3 -

Possible Sum 2 to 12

6 → 6 and 12

Sum = 6

(1,5)
(2,4)
(3,3)
(5,1)
(4,2) = 5 out

Sum = 12

(6+6) - 1 out

total 5+1 = 6

$\frac{6}{36} = \frac{1}{36}$

2. Bags :- 2 red, 3 green, 2 blue -

total outcome - 7

two drawn - not blue -

so red, and green

$2+3 = \frac{5}{7}$

Q-6 Expected number -?

1 x 0.015	0.015
4 x 0.26	0.80
3 x 0.65	1.95
5 x 0.005	0.025
6 x 0.01	0.01
2 x 0.120	0.240

expected Number of candi
= 3.04

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