



MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

PROBABILITY

Example

1. A coin is tossed 100 times and head is obtained 59 times. On tossing a coin at

random, find the probability of getting

(i) a head

(ii) a tail



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2. A dice is tossed 80 times and the number 3 is obtained 14 times

Now, a dice is tossed at random. Find the probability of getting the number 3

A. $\frac{7}{40}$

B. $\frac{3}{14}$

C. $\frac{1}{6}$

D. $\frac{3}{40}$

Answer: A



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3. A dice is thrown 200 times and the outcomes are noted as shown below.

When a dice is thrown at random, find the probability of getting a

Q (i) 5

(ii) 3

(iii) 4

(iv) 6

<i>Outcome</i>	1	2	3	4	5	6
<i>Frequency</i>	21	30	42	38	29	40



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4. A survey of 150 girls showed that 63 like tea while 87 dislike it. Out of these girls, one girl is chosen at random. What is the probability that the chosen girl

Q (i) likes tea

(ii) dislikes tea



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Exercise

1. A coin is tossed 300 times and we get head: 136 times and tail: 164 times. When a coin is tossed at random, what is the probability of getting

Q (i) a head

(ii) a tail



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2. Two coins are tossed simultaneously 200 times and we get

two heads: 58 times, one head: 83 times, 0 head: 59 times

When two coins are tossed at random, what is the probability of getting

Q (i) 2 heads

(ii) 1 head

(iii) 0 head



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3. A dice is thrown 100 times and the outcomes are noted as given below. When a dice is thrown at random, what is the probability of getting a Q(i) 3 (ii) 6 (iii) 4 (iv) 1



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4. In a survey of 100 ladies it was found that 36 like coffee while 64 dislike it. Out of these ladies, one is chosen at random. What is the probability that the chosen lady

Q(i) likes coffee

(ii) dislikes coffee



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