

## FlexiPrep

# NCERT Mathematics Class 9 Exemplar Ch 14 Statistics and Probability Part 5

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26. In a survey of 364 children aged 19 – 36 months, it was found that 91 liked to eat potato chips. If a child is selected at random, the probability that he/she does not like to eat potato chips is:

- (A) 0.25
- (B) 0.50
- (C) 0.75
- (D) 0.80

Answer: C

27. In a medical examination of students of a class, the following blood groups are recorded:

Blood group	A	AB	B	O
Number of students	10	13	12	5
<i>In a medical examination of students of a class</i>				

A student is selected at random from the class. The probability that he/she has blood group B, is:

- (A)  $\frac{1}{4}$
- (B)  $\frac{13}{40}$
- (C)  $\frac{3}{10}$
- (D)  $\frac{1}{8}$

Answer: C

28. Two coins are tossed 1000 times and the outcomes are recorded as below:

Number of heads	2	1	0

<b>Frequency</b>	200	550	250
<i>Two coins are tossed 1000 times</i>			

Based on this information, the probability for at most one head is

- (A)  $\frac{1}{5}$   
 (B)  $\frac{1}{4}$   
 (C)  $\frac{4}{5}$   
 (D)  $\frac{3}{4}$

Answer: C

29. 80 bulbs are selected at random from a lot and their life time (in hrs) is recorded in the form of a frequency table given below:

<b>Life time (in hours)</b>	300	500	700	900	1100
<b>Frequency</b>	10	12	23	25	10
<i>80 bulbs are selected at random from a lot and their life time (in hrs)</i>					

One bulb is selected at random from the lot. The probability that its life is 1150 hours, is

- (A)  $\frac{1}{80}$   
 (B)  $\frac{7}{16}$   
 (C) 0  
 (D) 1

Answer: C

30. Refer to Q.29 above:

The probability that bulbs selected randomly from the lot have life less than 900 hours is:

- (A)  $\frac{11}{40}$   
 (B)  $\frac{5}{16}$   
 (C)  $\frac{7}{16}$   
 (D)  $\frac{9}{16}$

Answer: D

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