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| |  |  | | --- | --- | | 1) | The chance of throwing a total of 3 or 5 or 11 with two dice is \_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 5/36 | | b) | 1/9 | | c) | 2/9 | | d) | 19/36 |   . | |

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| |  |  | | --- | --- | | 2) | Ticket numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3 or 7? | |  | |  |  | | --- | --- | | a) | 1/15 | | b) | 1/2 | | c) | 2/5 | | d) | 7/20 |   . | |

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| |  |  | | --- | --- | | 3) | Ticket numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3? | |  | |  |  | | --- | --- | | a) | 3/20 | | b) | 3/10 | | c) | 2/5 | | d) | 1/2 |   . | |

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| |  |  | | --- | --- | | 4) | What is the probability that a number selected from the numbers 1, 2, 3, 4, 5......... 16 is a prime number? | |  | |  |  | | --- | --- | | a) | 1/16 | | b) | 5/8 | | c) | 3/8 | | d) | 7/16 |   . | |

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| |  |  | | --- | --- | | 5) | An urn contains 9 red, 7 white and 4 black balls. A ball is drawn at random. What is the probability that the ball drawn is not red? | |  | |  |  | | --- | --- | | a) | 1/11 | | b) | 9/20 | | c) | 2/11 | | d) | 11/20 |   . | |

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| |  |  | | --- | --- | | 6) | In a lottery there are 20 prizes and 15 blanks. What is the probability of getting prize? | |  | |  |  | | --- | --- | | a) | 1/10 | | b) | 2/5 | | c) | 4/7 | | d) | 2/7 |   . | |

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| |  |  | | --- | --- | | 7) | The odds against the occurrence of an event are 5 : 4. The probability of its occurrence is \_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 4/5 | | b) | 4/9 | | c) | 1/5 | | d) | 1/4 |   . | |

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| |  |  | | --- | --- | | 8) | The odds in favour of an event are 3 : 5. The probability of occurrence of the event is \_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 3/5 | | b) | 3/8 | | c) | 1/3 | | d) | 1/5 |   . | |

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| |  |  | | --- | --- | | 9) | A bag contains 5 blue and 4 black balls. Three balls are drawn at random. What is the probability that 2 are blue and 2 is black? | |  | |  |  | | --- | --- | | a) | 1/3 | | b) | 2/5 | | c) | 1/6 | | d) | None of these |   . | |

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| |  |  | | --- | --- | | 10) | A bag contains 6 black balls and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white? | |  | |  |  | | --- | --- | | a) | 4/7 | | b) | 3/4 | | c) | 4/5 | | d) | 1/8 |   . | |

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| |  |  | | --- | --- | | 11) | A fair coin is tossed 100 times. The probability of getting head an odd number of times is \_\_\_\_ | |  | |  |  | | --- | --- | | a) | 1/4 | | b) | 2/3 | | c) | 1/2 | | d) | 3/2 |   . | |

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| |  |  | | --- | --- | | 12) | Three unbiased coins are tossed. What is the probability of getting at most 2 heads | |  | |  |  | | --- | --- | | a) | 1/4 | | b) | 3/8 | | c) | 7/8 | | d) | 1/2 |   . | |

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| |  |  | | --- | --- | | 13) | Three unbaised coins are tossed what is the probability of getting exactly two heads | |  | |  |  | | --- | --- | | a) | 1/3 | | b) | 3/4 | | c) | 2/3 | | d) | 3/8 |   . | |

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| |  |  | | --- | --- | | 14) | Out of 15 students studying in a class 7 are from Maharastra, 5 are from Karnataka and 3 are from Goa. Four students are to be selected at random. What are the chances that at least one is from Karnataka? | |  | |  |  | | --- | --- | | a) | 12/13 | | b) | 11/13 | | c) | 10/15 | | d) | 1/15 |   . | |

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| |  |  | | --- | --- | | 15) | In a simultanesous throw of two dice find the probability of getting a total of 8. | |  | |  |  | | --- | --- | | a) | 2/9 | | b) | 5/36 | | c) | 1/6 | | d) | Data inadequate |   . | |