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| |  |  | | --- | --- | | 1) | Four bells toll at intervals of 10, 15, 20 and 30 sec respectively. If they toll together at 10:32 am then at what time between 11:20 am and 11:25 am, will they toll together again? | |  | |  |  | | --- | --- | | a) | 11:21 am | | b) | 11:22 am | | c) | 11:23 am | | d) | All of the above | | e) | None of the above |   . | |

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| |  |  | | --- | --- | | 2) | When a certain number is multiplied by 13 , the product consists of only 7's. The smallest such number is: | |  | |  |  | | --- | --- | | a) | 59827 | | b) | 59829 | | c) | 589 | | d) | 5829 |   . | |

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| |  |  | | --- | --- | | 3) | What is the largest four digit number which when divided by 7 leaves a remainder of 1 and when divided by 13 leaves a remainder of 7? | |  | |  |  | | --- | --- | | a) | 9925 | | b) | 9985 | | c) | 9991 | | d) | 9913 |   . | |

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| |  |  | | --- | --- | | 4) | A man showed a boy next to him and said " He is the son of my wife's sister-in-law but am the only child of my parents. " How is my son related to him? | |  | |  |  | | --- | --- | | a) | Cousin | | b) | Brother | | c) | Uncle | | d) | Nephew |   . | |

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| |  |  | | --- | --- | | 5) | A class is divided into two sections A and B. Passing average of 20 students of section A is 80% and passing average of 30 students of section B is 70%. What is the passing average of both the sections? | |  | |  |  | | --- | --- | | a) | 72% | | b) | 74% | | c) | 75% | | d) | 77% |   . | |

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| |  |  | | --- | --- | | 6) | A person sold a table at a gain of 15%. Had he bought it for 25% less and sold it for Rs 60 less, he would have made a profit of 32%. The cost price of table was. | |  | |  |  | | --- | --- | | a) | Rs 300 | | b) | Rs 350 | | c) | Rs 375 | | d) | Rs 400 |   . | |

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| |  |  | | --- | --- | | 7) | A truck covers a distance of 368 km at a certain speed in 8h. How much time would a car take at an average speed which is 18 km/hr more than that of the speed of the truck to cover a distance which is 16 km more than that travelled by the truck? | |  | |  |  | | --- | --- | | a) | 7 h | | b) | 5 h | | c) | 6 h | | d) | 8 h | | e) | none of these |   . | |

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| |  |  | | --- | --- | | 8) | A man sells an article at a gain of 15%. If he had brought it at 10% less and sold it for Rs 4 less, he would have gained 25%. Find the cost price. | |  | |  |  | | --- | --- | | a) | Rs 150 | | b) | Rs 160 | | c) | Rs 144 | | d) | Rs 138 |   . | |

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| |  |  | | --- | --- | | 9) | In what ratio must a grocer mix two varieties of tea worth Rs. 60 a kg and Rs. 65 a kg so that by selling the mixture at Rs. 68.20 a kg he may gain 10%? | |  | |  |  | | --- | --- | | a) | 3:2 | | b) | 3:4 | | c) | 3:5 | | d) | 4:5 |   . | |

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| |  |  | | --- | --- | | 10) | The speed of a boat in still water is 4 km/hr and the speed of current is 2 km/hr. If the time taken to reach a certain distance upstream is 9 hours, the time it will take to go to same distance downstream is | |  | |  |  | | --- | --- | | a) | 3.5 hrs | | b) | 2.5 hrs | | c) | 2 hrs | | d) | 3 hrs |   . | |

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| |  |  | | --- | --- | | 11) | 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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| |  |  | | --- | --- | | 12) | The least number complete years in which a sum of money put out at 20% compounded interest will be more than doubled is: | |  | |  |  | | --- | --- | | a) | 3 | | b) | 4 | | c) | 5 | | d) | 6 |   . | |

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| |  |  | | --- | --- | | 13) | How many times the hands of a clock will be at 30 o with each other in a day? | |  | |  |  | | --- | --- | | a) | 36 | | b) | 40 | | c) | 44 | | d) | 48 | | e) | 50 |   . | |

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| |  |  | | --- | --- | | 14) | In a group of 6 boys and 4girls, four children are to be selected .In how many different ways can they be selected such that at least one boy should be their? | |  | |  |  | | --- | --- | | a) | 19 | | b) | 194 | | c) | 205 | | d) | 209 | | e) | None of these |   . | |

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| |  |  | | --- | --- | | 15) | The price of gold per gram on 1st November and 1st December of a certain year was Rs 720 and Rs 864 respectively. If the percentage increase in the price(per gram) of gold from 1st October to 1st November was same as that from 1st November to 1st December find the price of a gram of gold on 1st October. | |  | |  |  | | --- | --- | | a) | 560 | | b) | 620 | | c) | 600 | | d) | None of these |   . | |