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| |  |  | | --- | --- | | 1) | A gold smith has 361 rings of gold. He sells some of them at a loss of 4% and rest at a profit of 15% making overall profit of 8%. Find the no. of rings sold at a profit of 15% | |  | |  |  | | --- | --- | | a) | 171 | | b) | 1336 | | c) | 518 | | d) | 228 |   . | |

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| |  |  | | --- | --- | | 2) | The price of a car depreciates in the first year by 25% in the second year by 20% in the third year by 15% and soon. The final price of car after 3 years,if the present cost of the car is Rs.10,00,000. | |  | |  |  | | --- | --- | | a) | 7,80,000 | | b) | 5,10,000 | | c) | 6,90,000 | | d) | 1,70,000 |   . | |

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| |  |  | | --- | --- | | 3) | In an examination a candidate got 30% marks and failed by 30 marks. If the passing marks are 60% of the total marks then the maximum marks will be | |  | |  |  | | --- | --- | | a) | 450 | | b) | 600 | | c) | 300 | | d) | 100 |   . | |

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| |  |  | | --- | --- | | 4) | A trader sold an article at a loss of 5% but when he increased the selling price by Rs.65 he gained 3.33% on the cost price. If he sells the same articleat Rs.963, what is the profit percentage? | |  | |  |  | | --- | --- | | a) | 15% | | b) | 16.66% | | c) | 20% | | d) | Data insufficient |   . | |

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| |  |  | | --- | --- | | 5) | Rahul went to purchase a nikia mobile handset,the shopkeeper told him to pay 20% tax if he asked the bill. Rahul manages to get the discount of 55 on the actual saleprice of the mobile and he paid the shopkeeper Rs.3325 without tax. Besides he manages to avoid to pay 20% tax on the already discounted price, what is the amount of discount that has gotten? | |  | |  |  | | --- | --- | | a) | 750 | | b) | 375 | | c) | 875 | | d) | 525 |   . | |

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| |  |  | | --- | --- | | 6) | Harsha takes 3 hours more than Ashok,who drives his car 5 Km/hr faster than Harsha drives to cover 180 Km distance. What is the speed of Harsha | |  | |  |  | | --- | --- | | a) | 12 Km/hr | | b) | 15 Km/hr | | c) | 30 Km/hr | | d) | 40 Km/hr |   . | |

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| |  |  | | --- | --- | | 7) | There is a 4 inch cube painted on all sides. This is cut down into of 1 inch cubes. What is the no of cubes which have no pointed sides. | |  | |  |  | | --- | --- | | a) | 16 | | b) | 8 | | c) | 32 | | d) | 0 |   . | |

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| |  |  | | --- | --- | | 8) | From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done? | |  | |  |  | | --- | --- | | a) | 64 | | b) | 645 | | c) | 735 | | d) | 756 |   . | |

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| |  |  | | --- | --- | | 9) | A box contains 10 Black & 10 White balls. What is the probability of drawing 2 balls of the same colour? | |  | |  |  | | --- | --- | | a) | 9/19 | | b) | 9/20 | | c) | 9/21 | | d) | 9/22 |   . | |

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| |  |  | | --- | --- | | 10) | The population of a town is decreased by 10% and 20% in two successive year. What percent population is decreased after two years? | |  | |  |  | | --- | --- | | a) | -25 % | | b) | -26 % | | c) | -27 % | | d) | -28 % |   . | |

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| |  |  | | --- | --- | | 11) | In one hour a boat goes 11 km along the stream and 5 km against the stream. The speed of the boat in still water is? | |  | |  |  | | --- | --- | | a) | 6 kmph | | b) | 8 kmph | | c) | 10 kmph | | d) | 12 kmph |   . | |

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| |  |  | | --- | --- | | 12) | Complete the series: 5, 20, 24, 6, 2, 8, ? | |  | |  |  | | --- | --- | | a) | 10 | | b) | 15 | | c) | 12 | | d) | 11 |   . | |

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| |  |  | | --- | --- | | 13) | 60 litres of diesel is required to travel 600 km using a 800 cc engine. If the volume of diesel required to cover a distance varies directly as the capacity of the engine, then how many litres of diesel is required to travel 800 kms using 1200 cc engine? | |  | |  |  | | --- | --- | | a) | 80 litres | | b) | 90 litres | | c) | 120 litres | | d) | 170 litres |   . | |

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| |  |  | | --- | --- | | 14) | Find the greatest five digit number that is exactly divisible by 7, 10, 15, 21 and 28 | |  | |  |  | | --- | --- | | a) | 99840 | | b) | 99900 | | c) | 99960 | | d) | 99990 |   . | |

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| |  |  | | --- | --- | | 15) | A trader buys goods at a 19% discount on the label price. If he wants to make a profit of 20% after allowing a discount of 10%, by what % should his marked price be greater than the original label price? | |  | |  |  | | --- | --- | | a) | +8% | | b) | -3.8% | | c) | +33.33% | | d) | None of these |   . | |

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| |  |  | | --- | --- | | 16) | The time in a clock is 20 minute past 2. Find the angle between the hands of the clock. | |  | |  |  | | --- | --- | | a) | 60 degrees | | b) | 120 degrees | | c) | 45 degrees | | d) | 50 degrees |   . | |

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| |  |  | | --- | --- | | 17) | A circular plot covers an area of 154sq.cm. How much wire is required to fence it? | |  | |  |  | | --- | --- | | a) | 20m | | b) | 44m | | c) | 50m | | d) | 45m |   . | |

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| |  |  | | --- | --- | | 18) | There is a road beside a river two friends started from a place A, they moved to a temple situated at another place B and then returned to A again. one of them moves on a cycle at a speed of 12 kmph, while the other sails on a boat at a speed of 10 kmph. If the river flows at the speed of 4 kmph, which of the two friends will return to place A first? | |  | |  |  | | --- | --- | | a) | Cyclist | | b) | Boat sailor | | c) | Both | | d) | None of the above |   . | |

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| |  |  | | --- | --- | | 19) | A sells an article which costs him Rs.400 to B at a profit of 20%. B then sells it to C, making a profit of 10% on the price he paid to A. How much does C pay B? | |  | |  |  | | --- | --- | | a) | Rs 472 | | b) | Rs 476 | | c) | Rs 528 | | d) | Rs 532 |   . | |

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| |  |  | | --- | --- | | 20) | Ramu's age is 1/6th of his Fathers age. Ramu's father's age will be twice of Vamsi's age after after 10 years. If Vamsi's eighth birthday is celebrated 2 years ago, then what is the present age of Ramu? | |  | |  |  | | --- | --- | | a) | 7 years | | b) | 5 years | | c) | 9 years | | d) | 11 years |   . | |

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| |  |  | | --- | --- | | 21) | In a simultaneous throw of a pair of dice, find probability of getting a total more than 7? | |  | |  |  | | --- | --- | | a) | 5/12 | | b) | 5/11 | | c) | 5/10 | | d) | 5/9 |   . | |

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| |  |  | | --- | --- | | 22) | A does 80% of work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to complete the work? | |  | |  |  | | --- | --- | | a) | 37 ½ days | | b) | 23 days | | c) | 37 days | | d) | 46 days |   . | |

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| |  |  | | --- | --- | | 23) | If the SP is doubled, the profit triples. Find the profit percent. | |  | |  |  | | --- | --- | | a) | 66 2/3 % | | b) | 100% | | c) | 50% | | d) | 105 1/3% |   . | |

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| |  |  | | --- | --- | | 24) | The sum of 3 prime numbers is 100. If one of them exceeds another by 36 then, one of the numbers is ? | |  | |  |  | | --- | --- | | a) | 7 | | b) | 29 | | c) | 41 | | d) | 67 |   . | |

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| |  |  | | --- | --- | | 25) | Find the area of an equilateral triangle each of whose sides' measures 6cm. | |  | |  |  | | --- | --- | | a) | 9√3 sq.cm | | b) | 7√3 sq.cm | | c) | 12√3 sq.cm | | d) | 8√3 sq.cm |   . | |

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| |  |  | | --- | --- | | 26) | In what ratio must rice at Rs 9.30 per Kg be mixed with rice at Rs 10.80 per Kg so that the mixture is worth Rs 10 per Kg? | |  | |  |  | | --- | --- | | a) | 8:7 | | b) | 7:8 | | c) | 4:3 | | d) | 5:7 |   . | |

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| |  |  | | --- | --- | | 27) | How many words can be formed by using all the letters of the word DAUGHTER so that vowels always come together & vowels are never together? | |  | |  |  | | --- | --- | | a) | 4310, 35000 | | b) | 4320, 36000 | | c) | 4330, 37000 | | d) | 4340, 38000 |   . | |

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| |  |  | | --- | --- | | 28) | 2 numbers are respectively 2% & 50% more than 3rd what percentage is the 1st of the 2nd? | |  | |  |  | | --- | --- | | a) | 90% | | b) | 100% | | c) | 70% | | d) | 80% |   . | |

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| |  |  | | --- | --- | | 29) | Find the time taken by a train 180m long, running at 72kmph in crossing an electric pole | |  | |  |  | | --- | --- | | a) | 8 sec | | b) | 9 sec | | c) | 10 sec | | d) | 11 sec |   . | |

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| |  |  | | --- | --- | | 30) | A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in: | |  | |  |  | | --- | --- | | a) | 9 1/5 days | | b) | 9 2/5 days | | c) | 9 3/5 days | | d) | 10 days |   . | |