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| |  |  | | --- | --- | | 1) | If Rs. 782 is divided into three parts, proportional to 1/2 : 2/3 : 3/4 find the first part. | |  | |  |  | | --- | --- | | a) | 190 | | b) | 204 | | c) | 220 | | d) | 230 |   . | |

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| |  |  | | --- | --- | | 2) | The sum of three numbers is 98. If the ratio of the first to the second is 2:3 and that of the second to the third is 5:8, then the second number is | |  | |  |  | | --- | --- | | a) | 10 | | b) | 17 | | c) | 25 | | d) | 30 |   . | |

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| |  |  | | --- | --- | | 3) | The ratio of the incomes of A and B is 5 : 4 and the ratio of their expenditures is 3 : 2. If at the end of the year, each saves Rs. 1600, then the income of A is | |  | |  |  | | --- | --- | | a) | Rs 3400 | | b) | Rs 3600 | | c) | Rs 4000 | | d) | Rs 4400 |   . | |

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| |  |  | | --- | --- | | 4) | The compounded ratio of (2 : 3), (6 : 11) and (11 : 2) is : | |  | |  |  | | --- | --- | | a) | 1:2 | | b) | 2:1 | | c) | 11:24 | | d) | 36:121 |   . | |

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| |  |  | | --- | --- | | 5) | Zinc and copper are melted together in the ratio 9 : 11. What is the weight of melted mixture, if 28.8 kg of zinc has been consumed in it ? | |  | |  |  | | --- | --- | | a) | 58 kg | | b) | 60 kg | | c) | 64 kg | | d) | 70 kg |   . | |

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| |  |  | | --- | --- | | 6) | If 2A = 3B = 4 C, then A : B : C is : | |  | |  |  | | --- | --- | | a) | 2 : 3 : 4 | | b) | 4 : 3 : 2 | | c) | 6 : 4 : 3 | | d) | 20 : 15 : 2 |   . | |

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| |  |  | | --- | --- | | 7) | Two numbers are in the ratio 3 : 2. If 20 is subtracted from each of them, the ratio changes to 5 : 3. What is the smaller number of the two? | |  | |  |  | | --- | --- | | a) | 80 | | b) | 70 | | c) | 60 | | d) | 90 |   . | |

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| |  |  | | --- | --- | | 8) | The ratio of number of boys and girls in a college is 7:8.If the percentage increase in the number of boys and girls is 20% and 10% respectively, what will be the new ratio? | |  | |  |  | | --- | --- | | a) | 8:9 | | b) | 17:18 | | c) | 21:22 | | d) | None |   . | |

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| |  |  | | --- | --- | | 9) | A bag contains Rs.10, Rs.5, Rs.2 and Re.1 coins in the ratio of 4:2:5:10. If the total value of currency in the bag is Rs.490, then how many 5 Rupee coins are there? | |  | |  |  | | --- | --- | | a) | 28 | | b) | 14 | | c) | 12 | | d) | None |   . | |

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| |  |  | | --- | --- | | 10) | If A : B = 2 : 3, B : C = 9 : 4, C : D = 8 : 1, What is the value of A : D ? | |  | |  |  | | --- | --- | | a) | 12:3 | | b) | 12:2 | | c) | 12:1 | | d) | None |   . | |

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| |  |  | | --- | --- | | 11) | A military base camp has provisions for 1200 men for 18 days, if 1500 grams per person as ration is given per day. But on 6th day a new battalion has joined. This has caused the provisions to last for only 6 more days if a ration of 1250 grams per head is given. What is the strength of the battalion that has joined? | |  | |  |  | | --- | --- | | a) | 2880 | | b) | 1680 | | c) | 1480 | | d) | None |   . | |

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| |  |  | | --- | --- | | 12) | Two numbers are in the ratio 2 : 7. If each number is increased by 5, the ratio changes to 3 : 8. What is the sum of two numbers? | |  | |  |  | | --- | --- | | a) | 35 | | b) | 45 | | c) | 55 | | d) | None |   . | |

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| |  |  | | --- | --- | | 13) | 10 years ago, ratio of the ages of A and B was 3 : 1 and after 10 years, the ratio of their ages will become 2 : 1. Find the sum of their present ages. | |  | |  |  | | --- | --- | | a) | 100 | | b) | 120 | | c) | 140 | | d) | 160 |   . | |

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| |  |  | | --- | --- | | 14) | Present ages of father and the son are in the ratio of 6 : 1 respectively. Four years hence the ratio of their ages will become 4 : 1 respectively. What is the present age of son? | |  | |  |  | | --- | --- | | a) | 10 years | | b) | 6 years | | c) | 4 years | | d) | 8 years |   . | |

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| |  |  | | --- | --- | | 15) | At present age of father is three times the age of his son. Four years hence the ratio between the ages of father and son becomes 13 : 5 respectively. What is the present age of father? | |  | |  |  | | --- | --- | | a) | 48 years | | b) | 42 years | | c) | 52 years | | d) | None of these |   . | |