Serco Arithmetic Ability Questions And Answers

Q1. How many mashes are there in 1 square meter of wire gauge if each mesh is 8 mm long and 5 mm wide?

    a) 2500
    b) 25000
    c) 250
    d) 250000

Q2. What is the maximum number of half-pint bottles of cream that can be filled with a 4-gallon can of cream? (2 pt.=1 qt. and 4 qt.=1 gal)

    a) 16
    b) 24
    c) 30
    d) 64

ANS: d

Q3. Bacteria doubles every 3 mins. It is N in 1 hour, when was it N/4?

ANS: 54 minutes.

Q4. 3 machines a, b,c can be used to produce a product. Machine a will take 60 hours to produce a million units. Machine b is twice as fast as machine a. Machine c takes the same amount of time as machine a and b taken together. How much time will be required to produce a million units if all the three machines are used simultaneously?

    a) 12 hours
    b) 10 hours
    c) 8 hours
    d) 6 hours

Q5. A company contracts to paint 3 houses. Mr. Brown can paint a house in 6 days while Mr. Black would take 8 days and Mr. Blue 12 days. After 8 days Mr.

Serco Arithmetic Ability Questions And Answers

Brown goes on vacation and Mr. Black begins to work for a period of 6 days. How many days will it take Mr. Blue to complete the contract?

    a) 7
    b) 8
    c) 11
    d) 12

ANS: c

Q6. A plane goes from Chicago to Columbus and then comes back. It takes the same time to travel in either ways. It leave Chicago early in the morning 0644 LOCAL TIME and reaches the destination Columbus at 0849 LOCAL TIME. In the same evening it leave Columbus at 1625 hrs LOCAL TIME and reaches the destination at 1638 LOCAL TIME. Find the time that the plane takes to travel either way?

ANS: 69 mins

Q7. A starts business with Rs.3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2: 3. What is Bs contribution in the Capital?

    a) Rs. 7500
    b) Rs. 8000
    c) Rs. 8500
    d) Rs. 9000

ANS: d

Q8. A software comp was advertised to recruit people with exposure to C and C++. 241 applications were received and on sorting out it was found that 40 of them do not have exposure to C and C++. 180 of them had exposure to C and 186 of them had exposure to C++. How many of them had exposure to C only?

Serco Arithmetic Ability Questions And Answers

    a) 165
    b) 15
    c) 180
    d) 150

Q9. To 15 lts of water containing 20% alcohol, we add 5 lts of pure water. What is % alcohol?

ANS: 15%

Q10. If 9x - 3y = 12 and 3x - 5y = 7 then 6x - 2y = ?

    a) -5
    b) 4
    c) 2
    d) 8

ANS: d

Q11. Two trains move in the same direction at 50 kmph and 32 kmph respectively. A man in the slower train observes the 15 seconds elapse before the faster train completely passes by him. What is the length of faster train?

    a) 100 m
    b) 75 m
    c) 120 m
    d) 50 m

Q12. In a class, 6 students can speak Gujarati, 15 can speak Hindi and 6 can speak Marathi. If two students can speak two languages and one student can speak all the three languages, then how many students are there in the class?

    a) 21
    b) 22

c) 23
d) 24

Q13. How many digits are there with a number 2 in them between 100 and 400?

ANS: 138

Q14. Out of the following numbers which is the greatest number when 7 times that number is < 100?

a) 12
b) 13
c) 15
d) 14

ANS: d) 14

Q15. Ram gets 148 marks for 20 questions. +10 for correct. -3 for wrong. How many correct answers?

ANS: 16

Q16. 2/3 of people read newspaper A , 3/4 read newspaper B. If 38 read both and 8 did not read any of the 2. How many read A?

ANS: 48

Q17. Ganesh and Shankar travel abroad and take more luggage than the airlines allow. They have to pay extra money for it. They carry 52 kgs together and pay $60 and $100 respectively. Now, if the same luggage was carried by only Ganesh it would cost him $340. If the airlines charges only at one rate for extra luggage what is the maximum luggage that a person can carry without paying extra?

Serco Arithmetic Ability Questions And Answers

Q18. 2 passengers have together 560 kgs of luggage and are charged for the excess above the weight allowed at 10$ and 26$. If all the luggage had belonged to one of them he would have to pay 46$. The amount of luggage each passenger is allowed without any charge is

    a) 100 kg
    b) 150 kg
    c) 160 kg
    d) Insufficient data

Q19. A circular metal plate of even thickness has 12 holes of radius 1 cm drilled into it. As a result the plate lost 1/6th its original weight. The radius of the circular plate is

    a) 16sqrt2
    b) 8sqrt2
    c) 32sqrt2
    d) sqrt72

Q20. In 1978, a kg of paper was sold at Rs25/-. If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

    a) 29.12
    b) 29.72
    c) 30.12
    d) 32.65
    e) none of these

Q21. A wholesaler allows a discount of 20 % on the list price to the retailer. The retailer sells at 5% below the list price. If the customer pays Rs.19 for an article what profit is made by the retailer on it?

Serco Arithmetic Ability Questions And Answers

a) Rs.2
b) Rs.3
c) Rs.4
d) Rs.4.5

Q22. 6 pigs cost the same as 9 sheep. 27 sheep cost the same as 30 goats. 50 goats cost the same as 3 elephants. If two elephants cost $4800, then the cost of one pig in dollar is

a) 120
b) 240
c) 105
d) 250

Q23. A man is standing on the bridge 180 mtr long. Man observes that train passes him 8 sec. while it crosses bridge in 20 sec. Find the length of the train.

ANS: 120 mtr.

Q24. If 1 egg will boil in 5 min then how much time it will take to boil 4 eggs?

Q25. There was a egg seller who tell a person that 3 of his customers told him to buy half of eggs he have along with half an egg more. Find the total number of eggs with him initially.

ANS: 7 eggs