NVIDIA Arithmetic Ability Questions & Answers

Q1. A car travels a certain distance taking 7 hrs in forward journey, during the return journey increased speed 12km/hr takes the times 5 hrs. What is the distance travelled?

    (a) 210 kms
    (b) 30 kms
    (c) 20 kms
    (d) none of these

ANS: b

Q2. If a sum of money compound annually amounts of thrice itself in 3 years. In how many years will it become 9 times itself?

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

ANS: a

Q3. How many mashes are there in 1 square meter of wire gauge if each mesh is 8mm long and 5mm wide?

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

ANS: b

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Q4. A man buys 12 lts of liquid which contains 20% of the liquid and the rest is water. He then mixes it with 10 lts of another mixture with 30% of liquid. What is the % of water in the new mixture?

Q5. A certain number of men can finish a piece of work in 10 days. If however there were 10 men less it will take 10 days more for the work to be finished. How many men were there originally?

    (a) 110 men
    (b) 130 men
    (c) 100 men
    (d) none of these

ANS: a

Q6. The population of a city increases @ 4% p.a. There is an additional annual increase of 4% of the population due to the influx of job seekers, find the % increase in population after 2 years?

Q7. The price of sugar increases by 20%, by what % should a house wife reduce the consumption of sugar so that expenditure on sugar can be same as before?

    (a) 15%
    (b) 16.66%
    (c) 12%
    (d) 9%

ANS: b

Q8. In a class, except 18 all are above 50 years.15 are below 50 years of age. How many people are there?

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(a) 30
(b) 33
(c) 36
(d) none of these.

ANS: d

Q9. A can have a piece of work done in 8 days, B can work three times faster than the A, C can work five times faster than A. How many days will they take to do the work together?

(a) 3 days
(b) 8/9 days
(c) 4 days
(d) can not say

ANS: b

Q10. A man spends half of his salary on household expenses, 1/4th for rent, 1/5th for travel expenses, the man deposits the rest in a bank. If his monthly deposits in the bank amount 50, what is his monthly salary?

(a) Rs. 500
(b) Rs.1500
(c) Rs.1000
(d) Rs. 900

ANS: c

Q11. If a man buys 1 lt of milk for Rs.12 and mixes it with 20% water and sells it for Rs.15, then what is the percentage of gain?

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Q12. If a boat is moving in upstream with velocity of 14 km/hr and goes downstream with a velocity of 40 km/hr, then what is the speed of the stream?

    (a) 13 km/ hr
    (b) 26 km/hr
    (c) 34 km/hr
    (d) none of these

ANS: a

Q13. x% of y is y% of ?

    (a) x/y
    (b) 2y
    (c) x
    (d) can not be determined

ANS: c

Q14. Instead of multiplying a number by 7, the number is divided by 7. What is the percentage of error obtained?

Q15. Find the value of (0.75 * 0.75 * 0.75 - 0.001) / (0.75 * 0.75 - 0.075 + 0.01)

    (a) 0.845
    (b) 1.908
    (c) 2.312
    (d) 0.001

ANS: a

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Q16. If on an item a company gives 25% discount, they earn 25% profit. If they now give 10% discount then what is the profit percentage?

    (a) 40%
    (b) 55%
    (c) 35%
    (d) 30%

ANS: d

Q17. 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) 100m
    (b) 75m
    (c) 120m
    (d) 50m

ANS: b

Q18. Find (7x + 4y) / (x-2y) if x/2y = 3/2 ?

    (a) 6
    (b) 8
    (c) 7
    (d) data insufficient

ANS: c

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Q19. Pipe A can fill a tank in 30 mins and Pipe B can fill it in 28 mins. If 3/4th of the tank is filled by Pipe B alone and both are opened, how much time is required by both the pipes to fill the tank completely?

Q20. In simple interest what sum amounts of Rs.1120/- in 4 years and Rs.1200/- in 5 years?

    (a) Rs. 500
    (b) Rs. 600
    (c) Rs. 800
    (d) Rs. 900

ANS: c