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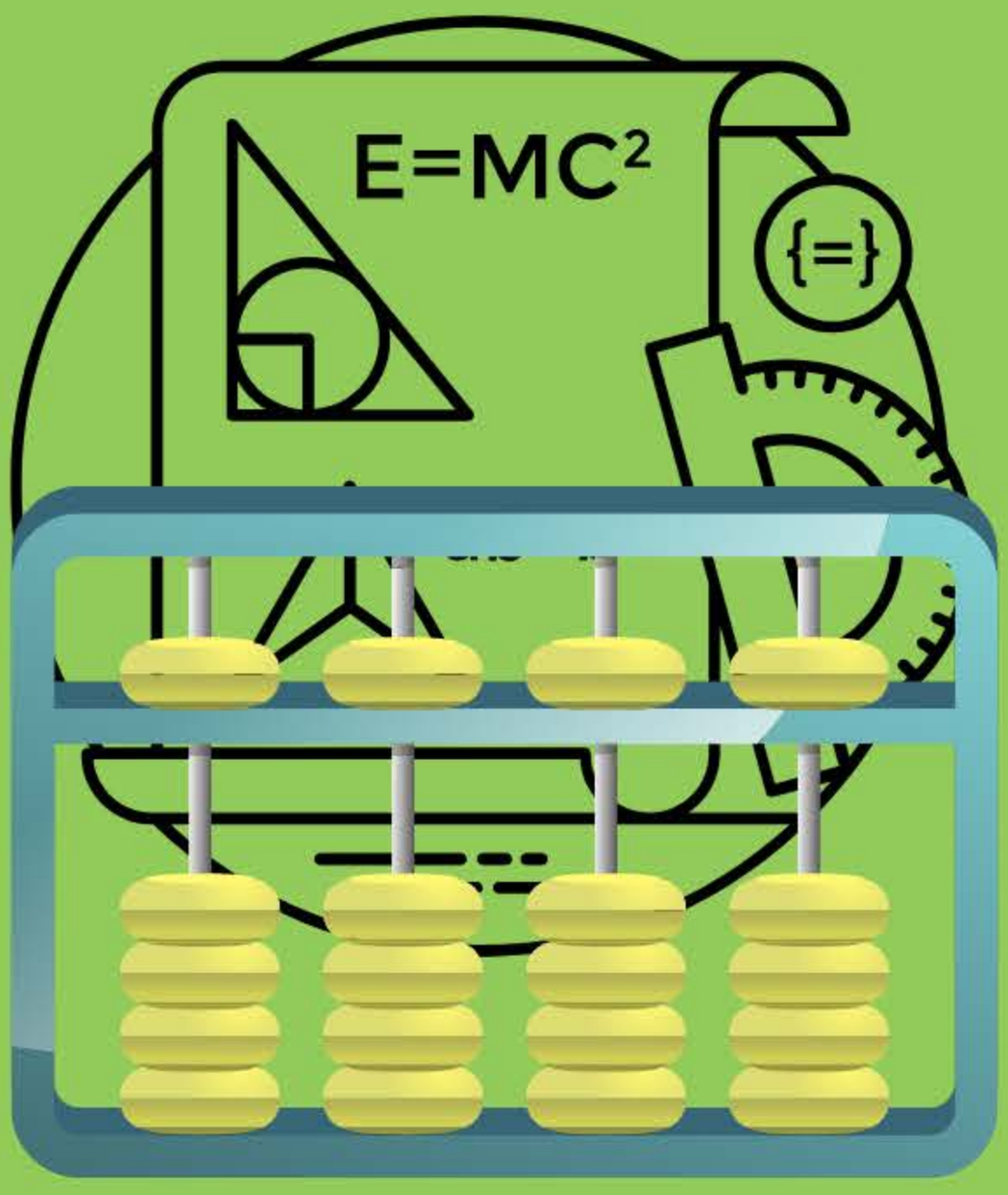
Top 100 Arithmetic Questions



For IBPS Exams

Top 100 Arithmetic Questions For IBPS

Q1) Find the speed of the stream, if a boat takes 8 hours to travel a distance of 192 km upstream, and the speed of the boat in still water is 32 km/h.
A-8 km/h
B-6 km/h
C- 12 km/h
D-10 km/h
E - 4 km/h

Q2) Present ages of Ramesh and Rajesh are in the ratio 6:7, respectively. The ratio of their ages after 12 years will be 9:10. The difference between the ages of Rajesh and Rakesh is two years. Find the present age of Rakesh.
A-26 years
B-28 years
C- 30 years
D- Either (a) or (b)
E- Either (a) or (c)

Q3) A, B and C started a business with initial investments of Rs. 1250, Rs. 1750 and Rs. 2000 respectively. After one year A, B and C made additional investments of Rs. x + 650, Rs. x +500, Rs. x + 850 respectively. Find the profit share of B out of the total profit of Rs. 4350, after two years.
A-Rs. 1,350
B- Rs. 1,450
C- Rs. 1,550
D- Rs. 1,650
E- Can't be determined

Q4) Ram invested Rs. 'x' in a scheme offering 15% p.a. simple interest for three years while Shyam invested same amount in another scheme offering 10% p.a. compound interest for three years, compounded annually. Find the value of 'x' if the difference between the interests earned by them after three is Rs. 1428.
A- 9000
B-10000
C- 11000
D- 12000
E- None of these

Q5) Train P can cross a pole and a platform 320 meter long in 11 seconds and 27 seconds, respectively. Train P can cross train Q moving in opposite direction in 9 seconds. Find the speed of train Q if its length is 35 meter less than that of train P.
A- 90 km/h
B- 22.5 m/s
C- 85 km/h
D- 20 m/s
E- 80 km/h

Q6) Radius of base and the height of the circular cylinder are in the ratio 3:7, respectively. Find its curved surface area if its volume is 1,584 cm².
A- 528 cm²
B- 536 cm²
C- 548 cm²
D- 560 cm²
E- None of these

Q7) Monthly income of B is Rs. 3,000 more than the monthly income of A. Monthly savings of A and B are Rs. 8,000 and Rs. 17,000 respectively. Find the monthly income of A if the monthly expenditures of A and B are in the ratio 4:3, respectively.
A- Rs. 27,000
B- Rs. 32,000
C- Rs. 35.000
D- Rs. 37,000
E- None of these

Q8) Five numbers are in an arithmetic progression with common difference 3. Find the average of these five numbers if the largest number is 40% more than the smallest number.
A- 30
B- 33
C- 36
D- 39
E- None

Q9) In an examination, Pankaj scored certain marks and failed by 48 marks. In the same examination, Rajan scored 56% marks, thus scored 84 marks above passing marks. Find the percentage of marks obtained by Pankaj if Rajan scored 224 marks.
A- 22%
B- 23%
C- 24%
D- 25%
E- None

Q10) 'A' can complete 1/3rd of a work in 4 days. He worked alone for 6 days and left. The remaining work is completed by 'B' alone in 10 days. In how many days can 'A' and 'B' together complete the whole work?
A- 10.5 days
B- 9 days
C- 4.5 days
D- 8 days
E- 7.5 days

Q11) A and B entered in a partnership with an investment of Rs. 64000 and Rs. 36000, respectively. If the profit received by them at the end of the year is Rs. 4000, then find the profit share of 'B'.
A- Rs. 2000
B- Rs. 1440
C- Rs. 1200
D- Rs. 2500
E- Rs. 800

Q12) Mahesh has Rs. 1 coins, 50 paise coins and Rs. 5 coins, only, in the ratio of 3:6:4, respectively. The total amount with him is Rs. 156. Find the number of Rs. 1 coins with him.
A- 12
B- 15
C- 18
D- 9
E- 21

Q13) A train running with a speed of 135 km/hr crosses a vertical pole in 6 seconds and a platform in 14 seconds. Find the difference between the length of platform and the length of train.
A- 80 metres
B- 95 metres
C- 60 metres
D- 75 metres
E- 40 metres

Q14) Rs. 3000 is invested at 25 % p.a. simple interest for 8 years, in scheme 'A'. The amount received from scheme 'A' is invested for 2 years in scheme B' which offers 50% p.a. compound interest, compounded annually. Find the amount received from scheme 'B'.
A- Rs. 22150
B Rs. 14920
C- Rs. 25860
D- Rs. 12240
E- Rs. 20250

Q15) The ratio of the cost prices of article 'A' and article 'B' is 7:5, respectively while the ratio of their selling prices is 7:3, respectively. The difference between their selling prices is Rs. 2000. If article 'B' is sold at 25% loss, then find the profit/loss percentage of article 'A'.
A - 20%
B- 25%
C- 15%
D- 10%
E - 40%

Q16) The income of 'A' is 20% more than that of 'B', in 2018. In 2019, the income of 'A' is increased by 25% while the income of 'B' is increased by 20 %. The difference between the incomes of "A" and 'B' in 2019 is Rs. 7500. Find the difference between the incomes of 'A' in given two years.
A- Rs. 7500
B- Rs. 6000
C- Rs. 8000
D- Rs. 4500
E- None

Q17) In a school, 40% of students are boys and rest girls. 45 % of girls and 25% of boys, come school by bus and rest on foot. The number of students who come school on foot is how much percent more/less than the number of boys who come school by bus?
A - 420%
B - 500%
C - 530%
D - 480%
E - 540%

Q18) A, B and C can complete a piece of work in 35 days, 63 days and 45 days respectively. If A, B and C worked on it for 'x + 14 days, x days and 'x + 9 days respectively and completed the whole work, then find the value of x.
A-4
B-6
C-8
D-5
E-7

Q19) Ratio of number of males and females in village A is 16:11 respectively. Number of males in village B is 144 more than number of males in village A and number of females in village B is 12% more than that in village A. If total population of village A and B together is 4293, then find number off females in village B.
A-924
B-964
C-825
D-1344
E-1200

Q20) A and B entered into a business with total investment of Rs. 1200. After 9 months, A added Rs. 200 while B withdrew Rs. 200. If at the end of 14 months, profit share of A out of total profit of Rs. 17500, is Rs. 11250, then find the initial investment made by A.
A-Rs. 500
B-Rs. 800
C-Rs. 700
D-Rs. 600
E-Rs. 400

Q21) Speed of boat in still water is 10% less than speed of boat in downstream. The boat goes from point A to point B and returns point A in 14 hours 24 minutes. Find the time taken by boat to cover 52 km in upstream and 90 km in downstream if distance between point A and B is 128 km.
A -7 hours 45 minutes
B-6 hours 25 minutes
C 7 hours 30 minutes
D-7 hours 25 minutes
E 6 hours 45 minutes

Q22) Suman marked an article Rs. 448 above the cost price and sold it after giving a discount of 20% and made a profit of 44%. Find the selling price of the article if he wants to earn a profit of 32.5%
A-Rs. 724
B-Rs. 764
C-Rs. 1008
D-Rs. 806.4
E-Rs. 742

Q23) Monthly income of Suresh is Rs. 47500 out of which he spent 20% on rent and 24% of the remaining on study and out of the remaining he spends on mutual funds, groceries and others in the ratio of 8:6:5 respectively. Find the amount spent on mutual funds.
A-Rs. 12720
B-Rs. 12240
C-Rs. 12480
D-Rs. 12160
E-Rs. 12320

Q24) Present average age of A and B is 48 years. Ratio of age of A and B after 16 years will be 9:7 respectively. Ratio of present age of A and C is 4:5 respectively. If present average age of B, C and D is 49 years, then find present age of D.
A-56 years.
B-40 years
C-39 years
D-70 years
E-37 years

Q25) A mixture contains Alcohol and water, only in the ratio 8:5, respectively. 20% of the mixture is withdrawn and replaced with 30 litresof water and 54 litres of Alcohol such that the quantity of water in the resultant mixture becomes 40% less than that of Alcohol. Find the quantity of mixture withdrawn.
A-52 litres
B-39 litres
C-26 litres
D-13 litres
E-65 litres

Q26) 'A', 'B' and 'C' can complete a work in 15 days, 20 days and 18 days, respectively. All of them worked alternately for 15 days, starting with 'A', then 'B' and then "C". After that the remaining work is completed by 'C' alone. Find the total time taken to complete the work this way.
A-16.5 days
B-18.5 days
C-20 days
D-17.5 days
E-16 days

Q27) 'A', 'B' and 'C' invested Rs. 12000, Rs. 20000 and Rs. 15000, in a business together. After 8 months, 'A' withdrew Rs. 2000, 'B withdrew Rs. 10000 and 'C' withdrew Rs. 5000, from their respective investments. If the profit received by 'A' and 'B', together at the end of the year is Rs. 6300, then find the profit received by 'C'.
A-Rs. 3000
B-Rs. 2400
C-Rs. 4200
D-Rs. 2000
E-None of these

Q28) A person covered 25% of certain distance with a speed of 40 km/hr, 40% of the remaining distance with a speed of 50 km/hr and the remaining distance with a speed of 80 km/hr. Find his approximate average speed during the whole journey.
A-64 km/hr
B-50 km/hr
C-56 km/hr
D-48 km/hr
E-60 km/hr

Q29) The speed of a boat in still water is 6 km/hr more than that of the current. If the speed of the boat in still water had been twice, then it would have taken 4.5 hours to travel 216 km upstream. Find the time taken by the boat to travel 312 km downstream with the original speed.
A-2 hours
B-7.5 hours
C-6.5 hours
D-8 hours.
E-4 hours

Q30) The simple interest received on Rs. (x + 800) when invested at 15% p.a. for 8 years is Rs. 2880. Find the interest received when Rs. (1.5x + 600) is invested at 20% p.a. compound interest compounded annually for 2 years.
A-Rs. 1040
B-Rs. 1280
C-Rs. 1540
D-Rs. 1320
E-Rs. 1100

Q31) By selling 15 articles, a person gains amount equal to the selling price of 5 articles. Find the profit percentage.
A-75%
B-40%
C-50%
D-80%
E-25%

Q32) The ratio of the ages of 'A and 'B', 6 years ago from now was 8:3, respectively. 16 years hence from now, if the age of 'A' will be 75% more than that of 'B', then find the ratio of their ages 6 years hence from now.
A-3:2
B-2:1
C-5:4
D-4:3
E-3:1

Q32) The ratio of the ages of 'A and 'B', 6 years ago from now was 8:3, respectively. 16 years hence from now, if the age of 'A' will be 75% more than that of 'B', then find the ratio of their ages 6 years hence from now.
A-3:2
B-2:1
C-5:4
D-4:3
E-3:1

Q33) Pipe A' and pipe B can fill a tank in 20 minutes and 60 minutes, respectively. Later it was found that due to a leak, 5 minutes extra is taken by both the pipes together to fill the tank. Find the time taken by the leak to empty the completely full tank.
A-45 minutes
B-1 hour
C-30 minutes
D-1.5 hours
E-None of these

Q34) 'A', 'B' and 'C', invested a total of Rs. 40000 in a business for a period of 6 months, 4 months and 8 months, respectively. The ratio of the sum invested by 'A' and 'B' is 2:3, respectively. If the ratio of the profits received by 'A' and 'C' is 3:10, respectively, then find the sum invested by "B".
A-Rs. 6000
B-Rs. 15000
C-Rs. 9000
D-Rs. 12000
E-Rs. 7500

Q35) 'A' covered (x + 180) km with a speed of 45 km/hrand 'B' covered 'x' km with a speed of 75 km/hr. If the time taken by 'A' is twice that by 'B', then find the time taken by 'A' to cover (x+180) km.
A-32 hours
B-18 hours
C-24 hours
D-16 hours
E-12 hours

Q36) Rs. 21000 is partly invested in scheme A and rest in scheme B offering 8 % p.a. and 15% p.a., simple interests respectively. The total interest received is Rs. 5040. If the time of investment for both the schemes is 2 years, then find the sum invested at 8% p.a. simple interest.
A-Rs. 15000
B-Rs. 8000
C Rs. 12000
D. Rs. 7500
E-Rs. 9000

Q37) Present ages of Paridhi and Sneha are in the ratio 4:3, respectively. After 12 years, the ratio of their ages will be 6:5. What was the average of age of Paridhi and Sneha four years ago?
a) 21 years
b) 19 years
c) 17 years
d) 15 years
e) None

Q38) A bag contains red, blue and green balls in the ratio 4:5:3, respectively. Find the total number of balls in the bag, if the probability of drawing two blue balls from the bag is 1/6.
a) 12
b) 24
c) 36
d) 48
e) None

Q39) Kavi and Pyare alone can complete the work in 50 days and 40 days, respectively. Both of them started working together and after 'x' days both of them left the job and the remaining work is done by Mahi alone in 13 days. Find the value of 'x' if Mahi is 25% more efficient than Kavi.
a) 12
b) 15
c) 18
d) 20
e) None

Q40) A train covers 189 km in 3.5 hours. If the same train crosses a platform of length 300 m in 44 seconds, then find the length of train.
a) 320 m
b) 340 m
c) 360 m
d) 380 m
e) None

Q41) A Mobile is sold at 18% loss. Had it been sold for 12% profit, the selling price would have been Rs.7200 more. What is the marked price of the Mobile which was marked at 40% above its cost price?
a) Rs.32500
b) Rs.36400
c) Rs.33600
d) Rs.35000
e) None

Q42) Abhay borrows Rs.24000 from Darshan at 7% p.a. simple interest. If Darshan received Rs.34080 after 't' years, then find the value of (t/2).
a) 2 years
b) 2.5 years
c) 3.5 years
d) 3 years
e) None

Q43) A vessel contains mixture of milk and water mixed in the ratio 11:6, respectively. 119 litres of mixture is taken out of the vessel and is replaced with 27 litres of water such that the ratio of the milk to water in the vessel becomes 4:3. Find the final quantity of water in the vessel.
a) 93 litres
b) 96 litres
c) 102 litres
d) 99 litres
e) None

Q44) A certain amount of money is distributed among Ayurshi, Sakshi and Rakhi in the ratio 8:11:15, respectively. If 60% of the amount received by Ayurshi is Rs.288 less than 40% of the amount received by Rakhi, then find the amount received by Sakshi.
a) Rs.1660
b) Rs.1550
c) Rs.2640
d) Rs.2450
e) None

Q45) 12 men and 16 women can complete a work in 4 days and 3 days, respectively. In how many days will 8 men and 10 women do the same work?
a) 8/3 days
b) 11/4 days
c) 7/3 days
d) 5/3 days
e) None

Q46) The cost incurred to fence a circular field at Rs.8/m is Rs.864. If a square field having side twice the radius of circular field is fenced at Rs.12 per m, then find the cost of fencing the square field. [Take π= 3]
a) Rs.1632
b) Rs.1728
c) Rs.1648
d) Rs.1784
e) Rs.1792

Q.47) A man can row 4 km against the stream in 40mins and return in 36mins. Find the rate of current.
a) 1/2 km/hr
b) 1/3 km/hr
c) 2/3 km/hr
d) 1/4 km/hr
e) None

Q.48) 4 years ago, Raghav and Karuna's age is in the ratio of 2: 3. Sum of their present ages are 7 years more than Meena's present age. Find the present age of Meena, if Karuna's age after 5 years is 27 years?
a) 27 years
b) 25 years
c) 23 years
d) 31 years
e) None of these

Q49) Speed of Train X and Train Y are in the Ratio of 3 : 5 and Time taken to cross a Pole is in ratio 5 : 4. Length Of Train Z is 240 meter , which is 60% of length of Train Y. Find the length of Train X ?
A) 150 meter
B) 200 meter
C) 250 meter
D) 300 meter
E) None of these

Q50) A shopkeeper marks 50% above the CP and sells at 20% discount. If the profit is double the discount and the discount rate is same, then shopkeeper marks what % more than the CP?
a) 100%
b) 120%
c) 150%
d) 200%
e) 75%

Q51) 4 years ago, the age of A is 2 times the present age of B. C is 8 years elder than B and 12 years younger than A. Find the present age of D, if the present age of C is 4 times the present age of D?
a) 8 years
b) 12 years
c) 10 years
d) 6 years
e) None of these

Q.52) Kanishbought two mobiles (Redmi and Vivo), Redmi at Rs.x and Vivo at Rs.2x. She sold Redmi at 20% profit and Vivo at 25% loss, and then find the total CP of two mobiles if the difference between the SP of Vivo and Redmi is Rs. 2400

a) Rs.24000
b) Rs.16000
c) Rs.21000
d) Rs.36000
e) Rs.15000

Q53) Two trains, A and B, start from stations X and Y towards each other, they take 4 hours 48 minutes and 3 hours 20 minutes to reach Y and X respectively after they meet. If train A is moving at 45 km/hr., then find the speed of the train B.
(a) 60 km/hr
(b) 64.8 km/hr
(c) 54 km/hr
(d) 37.5 km/hr
(e) None of these

Q.54) 4 men and 3 women finish a job in 6 days, and 5 men and 7 women can do the same job in 4 days. How long will 1 man and 1 woman take to do the work?
(a) 22(2/7) days
(b) 25(1/2) days
(c) 5 (1/7) days
(d) 12(7/22) days
(e) None of these

Q55) 'A' and 'B' can complete a work in 12 days and 30 days, respectively. They started the work together and left after 6 days. The remaining work is completed by 'C', alone in 6 days. Find the ratio of the efficiencies of 'C' and 'A', respectively.
A 4:9
B 2:3
C 1:4
D-3:5
E-5:7

Q56) The ratio of quantity of water present in container A to that in container B is 5:8 and the total quantity of water in both the containers together is 260 litres. If the capacity of both the containers is same and 40% of container 'A' is filled with water, then find the total capacity of each container.
A-250 litres
B-320 litres
C-280 litres
D-200 litres
E-300 litres

Q57) "A", "B' and 'C' invested Rs. 3200, Rs. 2800 and Rs. 4200, in a business for 6 months, 4 months and 8 months, respectively. If the profit received by 'A' and 'B', together is Rs. 950, then find the profit received by 'C'.
A Rs. 1020
B Rs. 1200
C Rs. 1050
D-Rs. 1600
E-Rs. 1350

Q58) Rajat, when travel with a speed of 20 km/hr, reaches his office 10 minutes late while, when he travels with a speed of 40 km/hr, reaches his office 20 minutes earlier. Find the distance he covers to reach his office.
A-60 km.
B 10 km
C-40 km
D-20 km
E-80 km

Q59) A boat can travel 184 km downstream in 8 hours while it takes 6 hours to travel 66 km upstream. Find the time taken by the boat to travel 102 km in still water.
A-4 hours
B-8 hours
C-6 hours
D-10 hours
E-5 hours

Q60) The cost of fencing a rectangular field at the rate of Rs. 4/metre, is Rs. 216. Find the length of each side of a square field whose area is 16 m^2 more than that of the rectangular field if the ratio of length to breadth of the rectangular field is 5:4.
A-12 metres
B-14 metres
C-16 metres
D-20 metres
E-18 metres

Q61) Raghav invested Rs. 24000 in scheme 'A' offering 50 % p.a. compound interest, compounded annually and the same sum in scheme 'B' offering 15% p.a. simple interest. Find the total interest received by Raghavat the end of 3rd year, from both the schemes.
A Rs. 70800
B Rs. 64500
C-Rs. 72400
D-Rs. 58300
E-Rs. 67800

Q62) The cost price of article 'A' is Rs. 2500. It is marked up by 20% above its cost price and then sold after giving a discount of Rs. 300. Article 'B' is sold at 25% profit such that its selling price is Rs. 500 more than that of 'A'. Find the cost price of article 'B.
A-Rs. 2560
B-Rs. 2420
C-Rs. 2600
D-Rs. 2080
E-Rs. 2800

Q63) The ratio of the incomes of 'A' and 'B' is in the ratio 11:8, respectively. A spends Rs. 22000 which is Rs. 6000 more than the expenditure of 'B'. Find the ratio of their savings.
A-7:4
B-4:3
C-9:5
D-CND
E-11:8

Q64) The sum of the present ages of 'A' and 'B' is 42 years. 'C' is 32 years older than 'B'. If the present age of 'A' is 52% less than that of 'C', then find the sum of present ages of 'A', 'B' and 'C'.
A -92 years
B-110 years
C 64 years
D-86 years
E-104 years

Q65) A, B and C can complete a piece of work in 30 days, 42 days and 70 days respectively. All of them started the work together but A left the work after 8 days while B left the work 14 days before the completion of the remaining work. Find total time taken to complete the whole work.
A 14 days
B 28 days
C 20 days.
D. 24 days
E-None of these

Q66) If a train can cross a pole and a 144 metre long platform in 8 seconds and 12.5 seconds respectively, then find the time taken by the train to cross a 264 metres long tunnel.
A-16.75 seconds
B -16.5 seconds
C-16.25 seconds
D-17.25 seconds
E-None of these

Q67) Speed of boat in downstream is 12% more than speed of boat in still water. If a boat can travel 77 km in upstream and 126 km downstream in 8 hours, then find the time taken by boat to cover 154 km in upstream as well as in downstream.
A-10.5 hours
B-12.5 hours
C-11.75 hours
D-12 hours
E-None of these

Q68) Ranjit bought an article for Rs. 500 and marked it 40% above the cost price. If he sold the article after giving two successive discounts of x% and (x + 3) % respectively. for Rs. 523.60, then find the value of x.
A-22
B-25
C-15
D-12
E-None of these

Q69)48 men can complete a work in 25 days. 30 men started the work and after 19 days, x more men joined them such that the remaining work got completed in (42/5)days. Find the value of x?
A-45
B-20
C-30
D-15
E-40

Q70)The Speed of a boat in still water is 16 km/hr more than that of the current. If the time taken by the boat to cover 160 km in downstream is equal to the time taken by the boat to cover 80 km in upstream, then find the speed of the boat in still water.
A- 32 km/hr
B-20 km/hr
C-30km/hr
D-16 km/hr
E - 24 km/hr

Q71)Article 'A'and 'B' were sold for Rs. 342 each. The profit earned on article 'A' is equal to the loss incurred on article "B". If the cost price of article 'A' is Rs. 444 less than the cost price of article 'B' then find the cost price of article 'A'.
A- Rs. 200
B- Rs.320
C- Rs. 120
D- Rs.240
E- Rs. 160

Q72)The sum of the present ages of 'A' and 'B' is 64 years. The present age of'C' is 25% more than that of 'B'. If the present average age of A, B and C is 28 years, then find the ratio of the present ages of 'A' and "C".
A- 12:5
B-8:3
C- 9:5
D- 10:7
E- 11:8

Q73)Train `A' running with a speed of 108 km/hr crosses a pole in 8 seconds. Find the time taken by the train 'A' to cross a train'B'whose length is 130 metres less than that of train A and whose speed is 1/ 3rd more than that of train 'A' if both are running in opposite direction.
A- 10 seconds
B- 6 seconds
C- 12 seconds
D- 8 seconds
E- 5 seconds

Q74)Simple interest received on Rs. (x + 2400) after 6 years at the rate of 25% p.a. is equal to the amount received on Rs. x when invested at 50% p.a. compound interest, compounded annually for 2 years. Find the value of 'x'.
A- 2400
B- 4800
D 4000
C-3600
E- 3200

Q75)A and B together, B and C together and A and C together can complete a piece of work in 88 days, 66 days and 72 days respectively. Find the ratio of the efficiencies of A, B and C. respectively.
A-3:5:7
B- 4:5:7
C- 5:7:4
D- 7:5:4
E- None

Q76)A Container contains mixture of milk and water in the ratio of 5:3. If 50%of the mixture is replaced with 18 liters of water, then ratio of milk to water becomes 4:3. Find the initial quantity of mixture?
A)192 liters
B)288 liters
C)384 liters
D)480 liters
E)None of these

Q77)A shopkeeper purchased some articles. He sells 60% of the article at 10% and remaining at X% profit. If earns a overall profit of 16%then find the Value of 'X'?
A)15%
B)20%
C)25%
D)30%
E)None

Q78)A boat can travel 88 km downstream in 8 hours. Ratio of speed of boat to speed of stream is 8 : 3. The speed of Boat B in still water is 25% more than Speed of Boat A in still water. Find how much distance Boat B travels upstream in 8 hours? (Speed of stream is same for both Boats)
A) 49 km
B) 56km
C) 64km
D) 70 km
E)None of these

Q79)Ratio between the length and breadth of rectangle is 3:2. If length is increased by 25%and breadth remain constant, then Area of rectangle increased by 24m^2. Find the breadth of rectangle?
a)12
b)8
d)10
c)6
e)None of these

Q80)A man in Rs.'X' and Rs.'X+400'in scheme A and scheme B at 10% and 12%rate of interest respectively. Total interest earned from both the schemes after 2 years is Rs.800.Find the value of X.
a)Rs.1200
b)Rs.1400
c)Rs.1600
d)Rs.1800
e)None of these

Q81)Mixture A contains 72 litre of milk and water.3 litre of Milk and 13 litre of water are added into Mixture A. The milk in final mixture in A is 20% more than that of water in final mixture. Find the ratio of milk and water in initial mixture?
a) 3:5
b) 8:3
c) 5:3
d) 9:11
e) None

Q82)A boat can cover 100km upstream and 90km downstream in 6 hours.The downstream speed of the boat is 80% more than upstream speed. Find the time taken by boat to travel 150 km upstream with stream speed double than normal stream speed?
A) 6
B) 8 hr
C) 10 hr
D) 12 hr
E) None of these

Q83)Two partners invested Rs. 1250 and Rs.850 respectively in a business. Both the partners distribute 60% of profit equally and distribute the rest 40% as the interest of their capitals. If one partner received Rs. 30 than other. Find the total Profit.
a) Rs.400
b) Rs. 375.84
c) Rs. 393.75
d) Rs. 380.25
e) None of these

Q84)Working together, Rajesh and Prakash can complete an assigned task in 20 However, if Rajesh worked alone and complete half the work and then Prakash takes over the task and completes the second half of the task,the task will be completed in 45 days. How long will Rajesh take to complete the task if he worked alone? Assume that Prakash is more efficient than Rajesh.
a) 25 days
b) 30 days
c) 60 days
d) 65 days
e) 36 days

Q85) Working together, Rajesh and Prakash can complete an assigned task in 20 days. However, if Rajesh worked alone and complete half the work and then Prakash takes over the task and completes the second half of the task, the task will be completed in 45 days. How long will Rajesh take to complete the task if he worked alone? Assume that Prakash is more efficient than Rajesh.
a) 25 days
b) 30 days
c) 60 days
d) 65 days
e) 36 days

Q86) A and B enter in to a partnership in the ratio 3 : 5, after 4 months, A increases his share by 20%, then after 2 months, B decreases his share by 20%. After 1 year the difference between profit is 1540/-, find the share of A in profit?
a) 4760
b) 4560
c) 4660
d) 4860
e) 4960

Q87) A group of men decided to do a job in 4 days. But since 20 men dropped out every day, the job completed at the end of the 7th day. How many men were there at the beginning?
a) 240
b) 140
c) 280
d) 150
e) None of these

Q88) The ratio of milk and water in four solutions are 1:2, 2:3, 3:2 and 7:8 respectively. If their equal quantities are mixed together, then the ratio of milk and water in the new solution will be:
a) 9 : 11
b) 7 : 9
c) 11 : 13
d) 11 : 9
e) NONE

Q89) If price of commodity is increased by 16.66% and its consumption decreased by 6.25% so by how much percent its expenditure increase or decrease?
a) 12.5% increase
b) 12.5% decrease
c) 9.37% increase
d) 9.37% decrease
e) CND

Q90) Five men and three women can do a piece of work in 12 days, while three men and four women can do the same work in 15 days. Rs. 100 is given to a woman for her contribution towards work per day. What is the total amount paid to five men and four women in a day?
a) Rs. 1200
b) Rs. 2250
c) Rs. 1500
d) Rs. 1350
e) Rs. 2500

Q91) A boat running downstream covers a distance of 30 km in 2 hours. While coming back the boat takes 6 hours td cover the same distance. If the speed of the current is half that of the boat, what is the speed of the boat? (in km/h)
a) 15
b) 5
c) 10
d) 20
e) None of these

Q92) Ram's present age is thrice that of his daughter and nine-thirteenth of his mother's present age. The sum of the present ages of all of them is 125 years. What is the difference between the present ages of Ram's daughter and Ram's mother?
(1) 45 years
(2) 40 years
(3) 50 years
(4) Can't be determined
(5) None of these

Q93) The radius of a circular field is equal to the side of a square field. If the difference between the area of the circular field and the area of the square field is 105 m2, what is the perimeter of the circular field? (in metres)
(1) 132
(2) 80
(3) 44
(4) 176
(5) 112

Q94) The cost price of article A is Rs.100 more than the cost price of article B. Article A was sold at 40% profit and article B was sold at 40% loss. If the overall profit earned after selling both the articles is 5%, then what is the cost price of article B?
(1) Rs.300
(2) Rs.400
(3) Rs.250
(4) Rs.350
(5) Rs.850

Q95) 'A' gave 25% of an amount to 'B'. From the money B got, he spent 30% on a dinner. Out of the remaining amount, the respective ratio between the amount B kept as savings and the amount he spent on buying a book is 5: 2. If B bought the book for 460/, how much money did A have at the beginning?
(1) Rs.12,600/-
(2) Rs.9,200/-
(3) Rs.12,000/-
(4) Rs.9,000/-
(5) Rs.8,000/-

Q96) 18 men can complete a project in 30 days and 16 women can complete the same project in 36 days. 15 men start working and after 9 days they are replaced by 18 women. In how many days will 18 women complete the remaining work?
(1) 20 days
(2) 30 days
(3) 26 days
(4) 28 days
(5) 24 days

Q97) The time taken by a boat to travel a distance downstream is half the time taken by it to travel the same distance upstream. What is the speed of the boat downstream if it travels 7.5 km upstream in 1 hour 30 mm? (in km/hr)
(1) 7.5
(2) 5
(3) 9
(4) 10
(5) None

Q98) Veer calculates his profit percentage on the selling price whereas Vipin calculates his profit percentage on the cost price. They find that the difference of their profits is Rs 100. If the selling price of both of them are the same and both of them get 20 % profit, find their selling price?
a) Rs.1800
b) Rs.2000
c) Rs. 2500
d) Rs. 3000
e) None of these

Q99) A textile vendor sells shirts at Rs. 800 per shirt, however he forced to give two successive discounts of 10 % and 5 % respectively. However he charges sales tax on net sales price from the customer at 5 %. What price does customer has to pay to buy the shirt ?
a) Rs. 730.20
b) Rs. 726.60
c) Rs. 718.20
d) Rs. 760.60
e) None of these

Q100) Three taps A,B and C can fill a tank in 20, 30 and 40 minutes respectively. All the taps are opened simultaneously and after 5 minutes tap A was closed and then after another 6 minutes tap B was closed. At the moment a leak developed which can empty the full tank in 60 minutes. What is the total time taken for the
completely full?
a) 24 minutes
b) 25 minutes
c) 35 minutes
d) 40 minutes
e) None of these.

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