

A tank is filled in 5 hours by three pipes A, B and C. The pipe C is twice as fast as B and B is twice as fast as A. How much time will it take to fill the tank?
(a)20 hours (b)25 hours (c)35 hours (d)Cannot be determined

Let N be the greatest number that will divide 1305, 4665 and 6905, leaving the same remainder in each case. Then sum of the digits of N is:
(a)4 (b)5 (c)6 (d)8

How many words of 4 consonants and 3 vowels can be made from 12 consonants and 4 vowels, if all the letters are different?
(a)16C7 * 7! (b)12C4 * 4C3 * 7! (c)12C3 * 4C4 (d)12C4 * 4C3

David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time, John gets on the elevator at the 51st floor and rides down at the rate of 63 floors per minute. If they continue to ride at those rates, at what floor will their paths cross?
(a)19 (b)28 (c)30 (d)37

A large tanker can be filled by two pipes A and B in 60 minutes and 40 minutes respectively. How many minutes will it take to fill the tanker from an empty state if A, B and C, all three pipes are open?
(a)15 min (b)20 min (c)27.5 min (d)30 min

How many different words can be formed from the word DAUGHTER so that ending and beginning letters are consonants and all the vowels are in odd places?
(a)7200 (b)14400 (c)360 (d)1440

If the simple interest on a sum of money for 2 years at 5% per annum is Rs.50, what is the compound interest on the same sum for 2 years?
(a)Rs. 52 (b)Rs. 51.25 (c)Rs. 54.25 (d)Rs. 60

A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?
(a)120 m (b)240 m (c)300 m (d)None of these

If $\log 27 = 1.431$, then the value of $\log 9$ is:
(a)0.934 (b)0.945 (c)0.954 (d)0.958

A number when divided by the sum of 555 and 445 gives two times their difference as quotient and 30 as the remainder. The number is:
(a)1220 (b)1250 (c)22030 (d)22030

Find the common ratio of three numbers in G.P whose product is 216 and the sum of the products taken in pairs is 114.
(a)2 or $\frac{1}{2}$ (b) $\frac{2}{3}$ or $\frac{3}{2}$ (c) $\frac{4}{3}$ or $\frac{3}{4}$ (d)4 or $\frac{1}{4}$

A man moves from A to B at the rate of 4 km/hr. Had he moved at the rate of 3.67 km/hr, he would have taken 3 hours more to reach B. The distance between A and B is:
(a)33 kms (b)132 kms (c)36 kms (d)144 kms

If a number is chosen at random from the set $\{1, 2, 3, \dots, 100\}$, then the probability that the chosen number is a perfect cube is:
(a)1/25 (b)1 by 2 (c)4 by 13 (d)1 by 10

Find the last term of a G.P whose first term is 9 and common ratio is $\left(\frac{1}{3}\right)$ if the sum of the terms of the G.P is $\left(\frac{40}{3}\right)$
(a)1 by 3 (b)2 by 5 (c) $\frac{1}{4}$ (d)02-Mar

Anu can do a work in 6 days and Binu alone in 9 days. Anu and Binu undertook to do it for Rs.4500. With help of Minu, they completed the work in 3 days. Minu's share is:
(a)Rs.750, Rs.2250 (b)Rs.2000, Rs.750 (c)Rs.750, Rs.2000 (d)Rs.800, Rs.1250

How many words can be formed by re-arranging the letters of the word ASCENT such that A and T occupy the first and last positions respectively?
(a)5! (b)4! (c)6! - 2! (d)6! / 2!

If the speed of a man is 45 km per hour, then what is the distance traveled by him in 30 seconds?
(a)275m (b)360m (c)375 m (d)420 m

A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
(a)120 metres (b)180 metres (c)324 metres (d)150 metres

If $4(A\text{'s capital}) = 6(B\text{'s capital}) = 10(C\text{'s capital})$, then out of a profit of Rs.4650, C will receive:
(a)Rs.2250 (b)Rs.1550 (c)Rs.900 (d)Rs.465

A single refined oil can contains 20% impurities. After double refining it contains 4% impurities. How much of double-refined oil can be made from 24 litres of single refined oil?
(a)24.0 litres (b)24.8 litres (c)25.0 litres (d)25.5 litres

The average temperature on Wednesday, Thursday and Friday was 250. The average temperature on Thursday, Friday and Saturday was 270. The temperature on Wednesday was:
(a)240 (b)210 (c)270 (d)300

A, B, C hired a car for Rs. 720 and used it for 9, 10 and 13 hours respectively. Hire charges paid by B are:
(a)Rs 220 (b)Rs.225 (c)Rs.230 (d)Rs.235

Rajiv sold an article for Rs.56 which cost him Rs.x. If he had gained x% on his outlay, what was his cost?
(a)Rs. 40 (b)Rs.45 (c)Rs. 36 (d)Rs. 28

Nine persons went to a hotel for taking their meals. Eight of them spent Rs 12 each on their meals and the ninth spent Rs.8 more than the average of the nine persons. The total bill was:
(a)Rs.100 (b)Rs.108 (c)Rs.116 (d)Rs.124