Solve the following problems with Proper Procedure and Explanation.   16 Nov 2017

If YOU don't Practice. YOU don't deserve to WIN !

1)

a) By which the smallest number should 105 be multiplied to obtain a number divisible by both 42 and 45.

b) Simplify: $\dfrac{3}{4} - \dfrac{7}{5} + \dfrac{5}{12}$

c) The names of some villages and their populations are given below: Tala: 40642, Gaganbawada: 35777, Veihe: 54497, Bodhwad: 91256, Morgaon: 87012, Bhamragad: 35950, Ashti: 76201, Washi: 92173, Morwada: 85890.

A) Which village has the greatest population? What is it's population.

B) Which village has the smallest population? How much is it?

2) a) Write down the following numbers using numerals.

1) Forty seven lakh and ten

2) Fifty five thousand and one

b) Find the product of the biggest four digit number and biggest three digit number.

c) Write five three digit numbers that are multiples of 2 as well as 3.

3) a) Write the difference between the numbers XXVII and XXIX.

b) Simplify: $\dfrac{5(0.1 + 0.01 + 0.001)}{3} = ?$

c) A garden contains different types of trees $\dfrac{1}{2}$ th of the total trees are mango trees, $\dfrac{1}{4}$ th are chiku trees, $\dfrac{1}{3}$ rd are papai and the remaining 13 trees are guava trees.

What is the total number of trees in the garden?

4) a) Convert 0.04 quintal into gram

b) Find the number of days in 1036800 seconds

c) Simplify: (234.5 - 678.9 + 548.71) x $\dfrac{7}{3}$

5) a) The sum of two numbers is 1209221 and one of them is 987867. Find the other number?

b) An amount of Rs. 268 each was collected from 57 students for apicnic. Rs. 14250 were spent for the picnic and the remaining amount was returned to the students then how much amount will each student get?

c) Simplify: $\left(1\dfrac{5}{6} \times 3\dfrac{3}{5} \right) \div \left(7\dfrac{1}{2} \div 6\dfrac{9}{11} \right)$

6) a) What is the sum of the multiples of 18 which are greater than 150 but less than 200?

b) Today 40 students from 60 on roll of std V (A) were present and 9 students from std V (B) out of 45 on roll were absent. In which class the absentees were proportionality more?

c) Construct a triangle whose sides are in length 3 cm, 4 cm and 5 cm. Draw angle bisectors of each angles of a triangle. Measure and write down the measure of an angle opposite to the largest side?

7) a) Draw a line segment XY - 5.2 cm in length. Draw a perpendicular bisector PM of it. Name the mid point of seg XY as N measure and write the length of segment NY.

b) Amit borrowed Rs. 25000 from I I.D.F.C. for 5 years at the rate 8% p.a. If he gave Rs. 7000 to sumit at the rate of 10% p.a. then

a) Find the interest got by Amit from Sumit.

b) How much own amount paid by Amit to H.D.F.C. as the interest.

c) Seema can type 45 words per minute If a sheet of paper contains 300 typed words, how much time will be required to type 12 such sheets find your answer in Hours and minutes.

8) a) 20 Pages of a book were read in one hour What time will be required to read 32 Pages at the same rate?

b) Length of a side or a square is 6m and length and breadth of rectangle are 8m and 6m respectively Find the relation between their perimeters.

c) The length of two pieces of a string are 35m and 25m respectively. If both the strings are used to prepare a square, then what is the perimeter of that square and length of its side. If we prepare an equilateral triangle from those strings what would be the length of side of that triangle.

9) a) A dozen banana's were distributed equally among three children. If ten children were to be given the same number of bananas each, how many bananas will be required.

b) From a bundle of wire of 100m long, pieces of length 3m 20cm were cut. How many pieces at the most could be cut out and how much length of wire in cm was left over?

c) The expenses of 60 Students for 2 days is Rs. 1200. Find the weekly expenses of 17 Students.

10) a) Five times a number in my mind is 3 5 . Using the letter 'm' obtain an equation and find the value of 'm'.

b) When 4 is added to the 7 times of a number of cows in a cattle then the number is 116. Assuming a letter 'x' for the number of cows in a cattle obtain an equation and find the value of V

c) LATUR- C.S.T. superfast leaves LATUR station at 22:30 hrs and reaches C.S.T. station at 7:40 a.m. next day. On the way train stops the stations 0, B, K, D, P, L, T and N For 10m, 5m, 10m, 5m, 15m, 5m, 3min and 7 minutes respectively. If the distance between LATUR and C.S.T. station is 524.3 km. then find the average speed of that train.

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There is NO elevator to SUCCESS.
YOU have to take the STAIRS.