Salutation to your solution!

- Sudhakar Attili.

1. There were 100 competitors for a Tennis tournament. The committee decided to select the winner by elimination process. As soon as one of the players looses a match, he is out of the competition. How many matches (minimum) are required to select the winner?

2. A gardener wants to measure 8 ft. He is having 5 ft stick, 7ft stick and a rope. How can he measure 8ft by using the available measuring sticks?

3. Figure out the smallest number, which when divided by 2, 3, 4, 5, 6, 7 respectively gives reminder 1, 2, 3, 4, 5, 0.

4. There were some sweets in a box. Ramesh saw that, took half of the sweets and a half sweet. Then Naresh came, he took half of the remaining sweets and a half sweet. Then Suresh came, he took half of the remaining sweets and a half sweet. Finally when Jagadish came, there were 2 sweets. How many sweets were there in the beginning?

5. There is a three digit number, which is having a perfect square root. When the numbers are reversed [example 234 to 432], then also the number is having a perfect square root. Surprisingly the first number's root is reversed to get the second number's root. What are those numbers?

You can send your answers either by post or by e-mail to the below address on or before September 15th.

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Do you know?
The product of two numbers is equal to the product of their LCM and HCF.
Example: Take two numbers 36 and 64.
    LCM (Least Common Multiple) is 576.
    HCF (Highest Common Factor) is 4.
Product of the numbers = 36 x 64 = 2304.
Product of LCM & HCF = 576 x 4 = 2304.