Puzzle – 22

Q- How much money a person had initially Puzzle

One person has some money in his pocket, He visits, four temple on the way. As soon as he visits any temple, the money in his pocket, gets doubled and, on his way out, he donates Rs. 100 to each temple. in Total He visits four temples .

After visiting the last temple, his pocket is empty of all the money, so how much money, he had initially ?

My Approach and Solution –

Let he had 'x' in the starting.

So, after visiting first temple = $2x - 100$

After 2nd temple = $4x - 300$

After 3rd temple = $8x - 700$

After 4th temple = $16x - 1500$

So, by calculation, $x = 93.75$.

Hence, he initially had 93.75 rupees