QUANTITATIVE ABILITY- SET 1- Questions

1. If 20% of a number be equal to 25% of another number and the sum of total of these two numbers is 135, then what is the difference of these two numbers?

    A. 10
    B. 12
    C. 14
    D. 15

2. How much water is to be added to 72 L of a mixture in which orange juice and water was in the ratio 7:2, so that the final mixture contents orange juice and water in the ratio 4: 3?

    A. 20 L
    B. 24 L
    C. 26 L
    D. 30 L

3. By what percent must the cost price be increased in fixing the sales price so that after allowing a rebate of 10% the net profit is 20%?

    A. 30%
    B. 33.3%
    C. 25%
    D. 40%

4. A and B working separately can do a piece of work in 9 and 12 days respectively. If they work in alternate days and A first starts the work, then approximately after how many days the work will be finished?

    A. 10.5 days
    B. 10.33 days
    C. 10.25 days
    D. 10.75 days

5. A number of students decided to go to a picnic and the total cost was estimated Rs. 960. Four of them being absent, the remaining students had to contribute Rs. 40 extra per head. What is the number of students that attended the picnic?

    A. 8
    B. 10
    C. 12
    D. 16

6. If $\dfrac{a+b-c}{a+b} = \dfrac{b+c-a}{b+c} = \dfrac{c+a-b}{c+a}$ and $a+b+c \neq 0$, then the relation between a, b and c is

    A. a + b - c = 0
    B. b + c - a = 0
    C. c + a - b = 0
    D. a = b = c