Day 3 27/03/2024

1. Anil and Bhaskas can do a piece of work individually in 12 days respectively. They work together for 6 days before days anil decides to leave How many days will it takes Bhaskas to complete the work on his own?

A) 4 B) 14 C) 6 D) 4

Solution:

Anil - x Baskas - y Anil + Bhaskas = 6 days

$X = 1/12 \quad y = 1/20$

$X+Y = 1/12 + 1/20 = \frac{5+3}{60} = 8/60 \quad 2/15$

In 6days $(2/15 \times 6) \Rightarrow 12/15$

$1 - 12/15 \Rightarrow 3/15 = 1/5$

work done by bhaskar = $2/5 \times 1/5 = 4$ days

option : A) 4

2. Dilip and Samrat can do a piece of work in 16 days and 24 days respectively. Samrat works alone for 15 days and leaves In how many days can dilip complete the remaining work?

A) 8 B) 10 C) 6 D) 7

$A = 1/16 \quad B = 1/24$

$15 \times 1/24 = 15/24 = 5/8$

Remaining work = $1 - 5/8 = 3/8$

$3/8 \times 16 = 48/8 = 6$ days

Ans: option C) 6 days