

① Abhimanyu and Supreet can together finish a work in 50 days. They worked together for 35 days and then Supreet left. After another 21 days Abhimanyu finished the remaining work. In how many days Abhimanyu alone can finish the work?

Ans:- Abhimanyu + Supreet \rightarrow 50 days
 Let 50 days \rightarrow 50 unit of work

- ~~A) 70 days~~
- B) 75 days
- C) 80 days
- D) 60 days

Abhimanyu + Supreet \rightarrow 35 days

35 days \rightarrow 35 unit of work

Rest = $50 - 35 = 15$ unit of work

15 unit = 21 days

1 day = $\frac{15}{21} = \frac{5}{7}$ unit of work

~~50 unit \rightarrow 70 days~~

~~50 unit \rightarrow 70 days~~

total days for abhimanyu = $\frac{50}{\frac{5}{7}} = \frac{50 \times 7}{5} = 70$ days