





Quantitative Aptitude

DPP 05 Discussion Notes

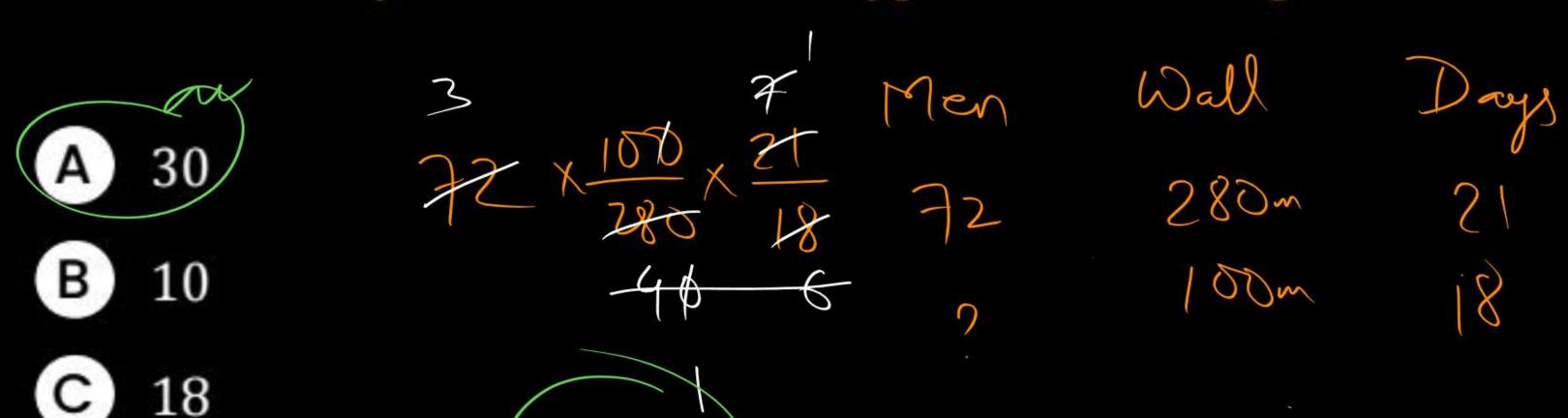
Time & Work
Chain Rule







If 72 men can build a wall 280m. long in 21 days, how many men will take 18 days to build a similar type of wall of length 100m.?



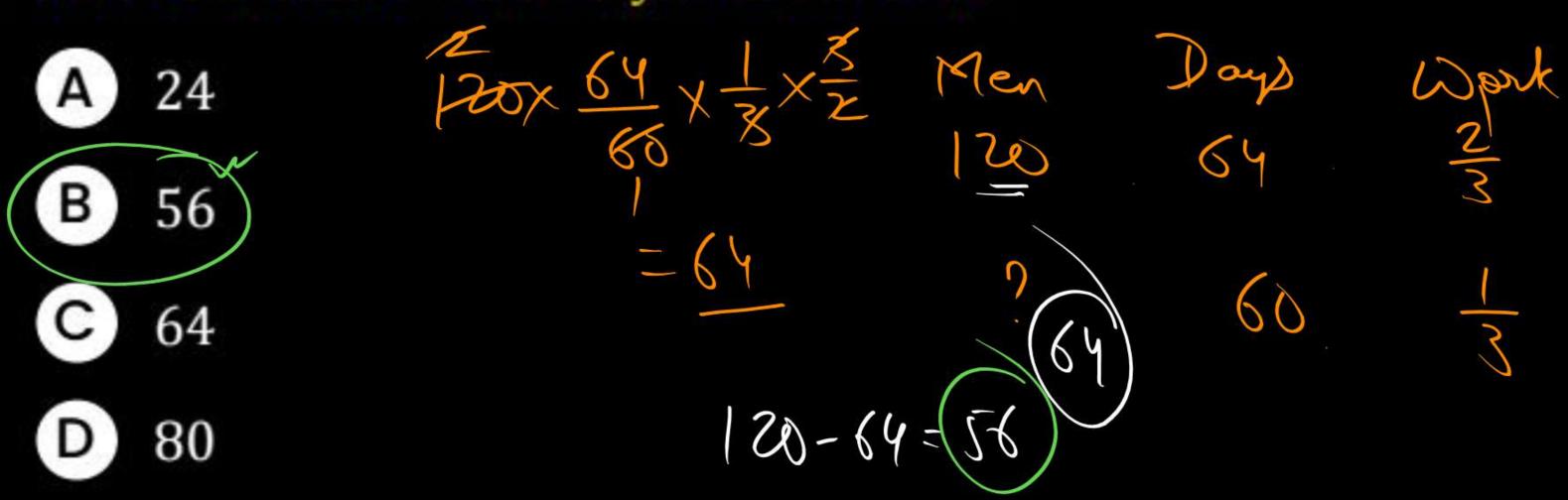


A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in

- A 12 days
- B 4 days
- C 8 days
- D 6 days

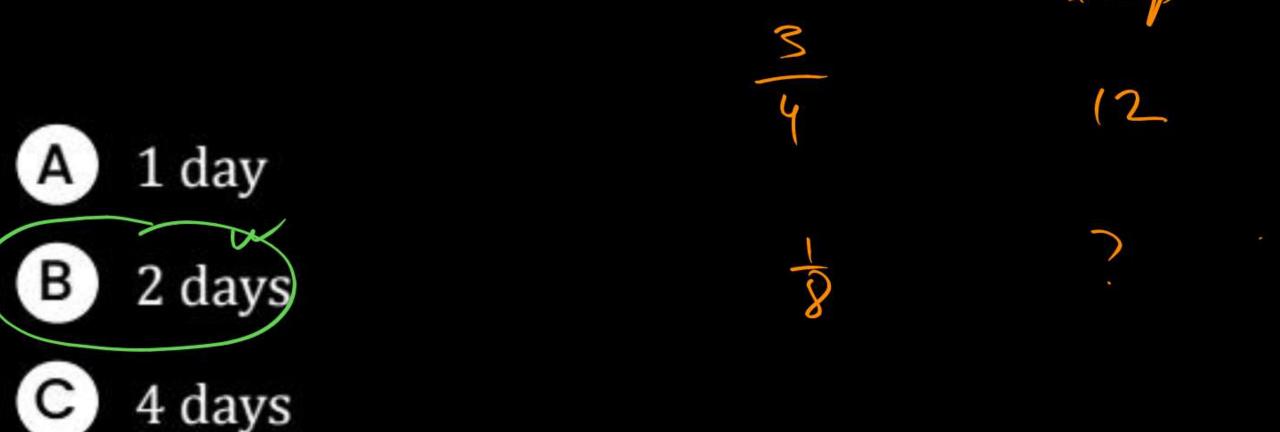


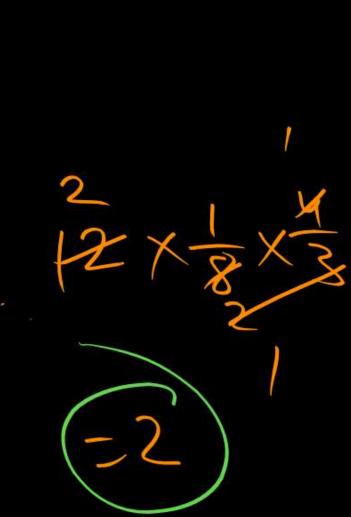
A contractor undertook to finish a certain work in 124 days and employed 120 men on it. After 64 days, he found that he had already done 2/3rd of the work. How many men he can discharge now so that the work may finish in time.





A can do 3/4th of a work in 12 days. In how many days can he finish 1/8th of work?





D 8 days



Peter does 75% of work in 12 days. He then calls Charlie for help and they both complete the rest of the work in 3 days. How many days would Charlie have taken to complete the work alone?

- A 18 days
- B 24 days
- C 72 days
- D 48 days



If A is twice as good workman as B and therefore is able to finish a job in 40 days less than B, how many days will it take to finish the

same job if A and B work together?

- A $28\frac{1}{2}$ days
- B 40 days
- $\frac{2}{3}$ days
- D 22 days

$$\frac{1}{40} + \frac{1}{80} = \frac{3}{80}$$

$$A = x$$
 $2x - x = 40$
 $x = 40$



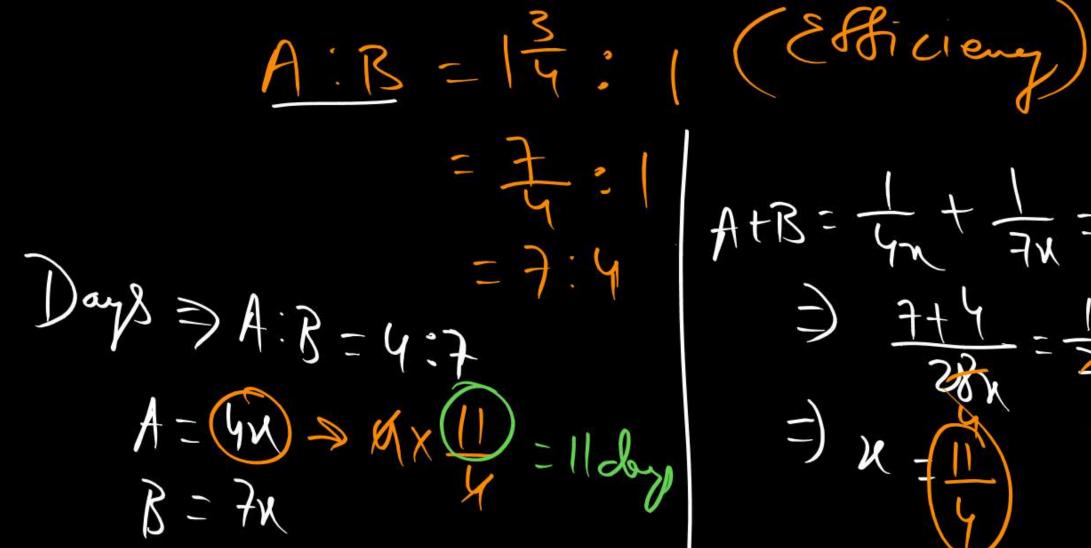
Worker A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for ₹4000. With the help of worker C, they completed the work in 3 days. How much money

will be given to C?



A and B can do a job together in 7 days. A is $1\frac{3}{4}$ times as efficient as B. How long does it take for A to do it alone?

- $9\frac{1}{3}$ days
- 11 days
- $15\frac{1}{2}$ days
- $17\frac{1}{3}$ days





A and B can do a work in 10 and 12 days. They start the work and B leaves after three days. If daily wages are Rs. 20 for each how much does A get?

		K
A	150	
	100	

$$\frac{2}{10} + \frac{3}{12} = 1$$

$$A = \frac{1}{10}$$
 $B = \frac{1}{12}$
 $A's way$
 $= 7.5 \times 20$
 $= 150$



12 men can do a work in 15 days working 8 hours a day. In how many days can 9 men do the same work, working 10 hours a day?

