



**General Aptitude** 

Quantitative Aptitude

DPP 07 Discussion Notes
Time & Work

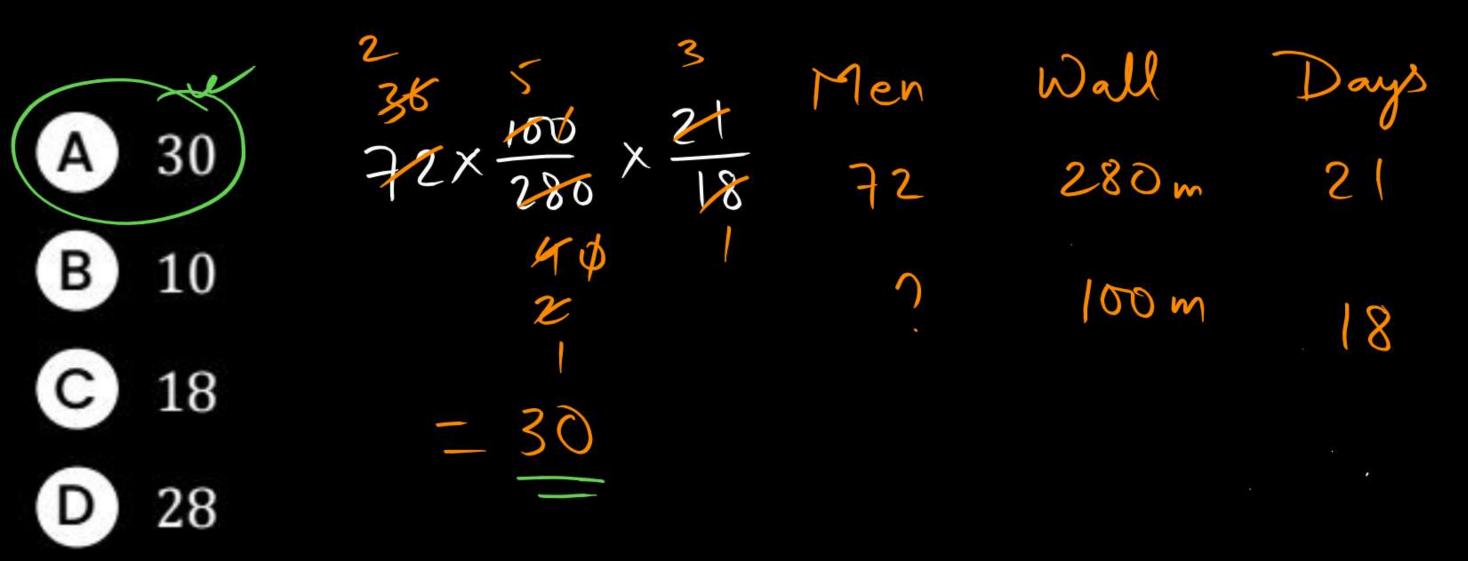








If 72 men can build a wall 280m. long in 21 days, how many men will take 18 days to build a similar type of wall of length 100m.?





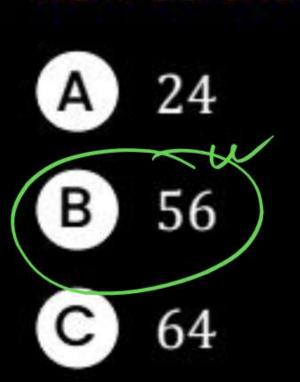
A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in

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

$$\frac{1}{6x} + \frac{1}{3x} + \frac{1}{7x} = \frac{1}{2}$$



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 2/3<sup>rd</sup> of the work. How many men he can discharge now so that the work may finish in time.



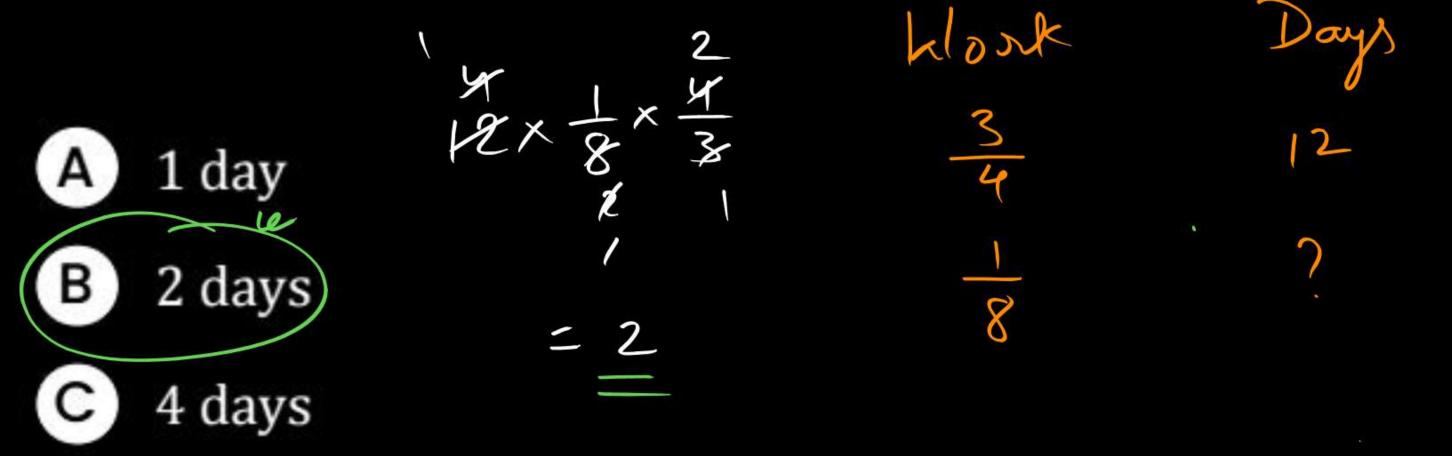
$$120 \times \frac{64}{60} \times \frac{1}{3} \times \frac{3}{2}$$
 Men Days Work  
=  $64$   $\frac{2}{3}$   $\frac{120}{3}$   $\frac{64}{3}$   $\frac{2}{3}$ 

D 80

8 days



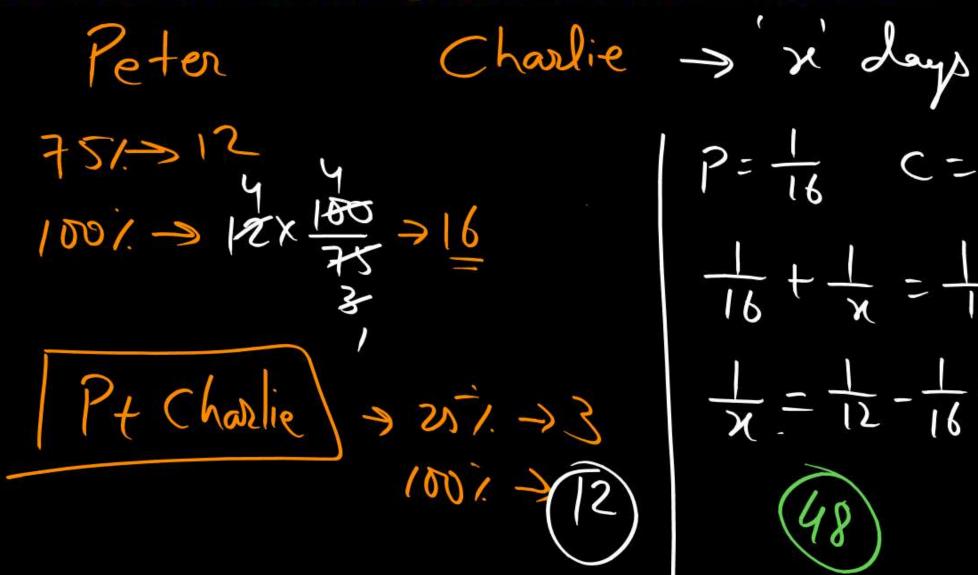
A can do 3/4<sup>th</sup> of a work in 12 days. In how many days can he finish 1/8<sup>th</sup> of work?





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

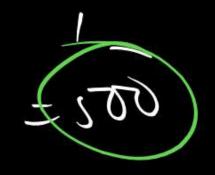
$$C 26\frac{2}{3} \text{ days}$$

D 22 days



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?  $A = \frac{1}{6}$ ;  $B = \frac{1}{8}$ ;  $C = \frac{1}{x}$ 

₹500) A:B:C=6:8:24  
= 3:4:12 6 + 
$$\frac{1}{8}$$
 +  $\frac{1}{3}$  =  $\frac{1}{3}$  C= $\frac{1}{8}$  × 4000





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?

A 
$$9\frac{1}{3}$$
 days

C 
$$15\frac{1}{2}$$
 days

D 
$$17\frac{1}{3}$$
 days

A:B=
$$\frac{7}{4}$$
:1 (E Bricieny)

A:B=1: $\frac{7}{4}$  (Days)

-4:7

 $A = 4 \times \frac{11}{4} = 11$ 



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?



$$A = \frac{1}{10}$$

$$A =$$



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?

