## CETAILE ALL BRANCHES

**GENERAL APTITUDE** 

Quantitative Aptitude

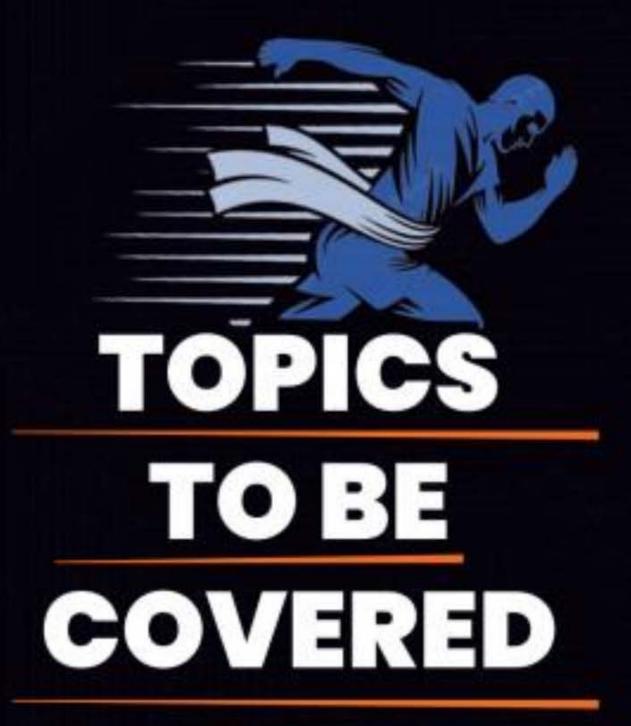




Lecture No: 06

By-Amulya Ratan Sir







**Understanding Time & Work** 



**Direct & Inverse Proportion** 



Concept of Chain Rule



Questionnaire on the Topic

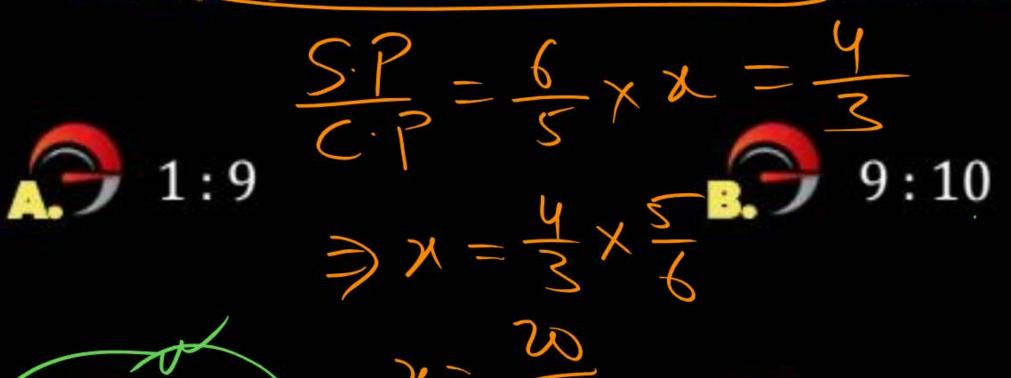


A man buys milk at ₹5 per litre and after adding water,



sells it at ₹6 per litre, thereby making a profit of 33 ½%. What

is the proportion of milk to water in the mixture?





Milk: Waln

4:5



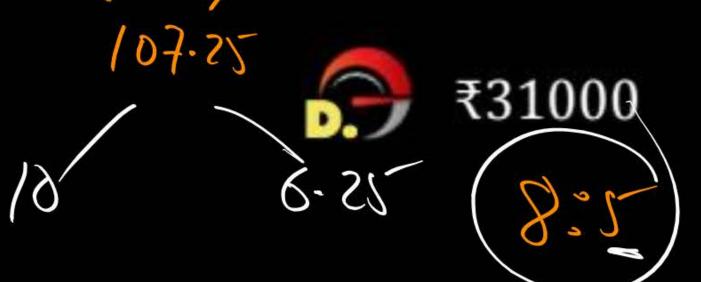
A man purchases two mobiles for ₹65390, sells both of them so as to gain 13½ % on one and lose 2¾ % on other. If on the whole he gains 7¼ %, then what would be the cost of

on the whole he gains 7¼ %, then what would be the cost of cheaper mobile?

₹32000 | |3.5 | ₹25150 | Cost: chap



₹27500

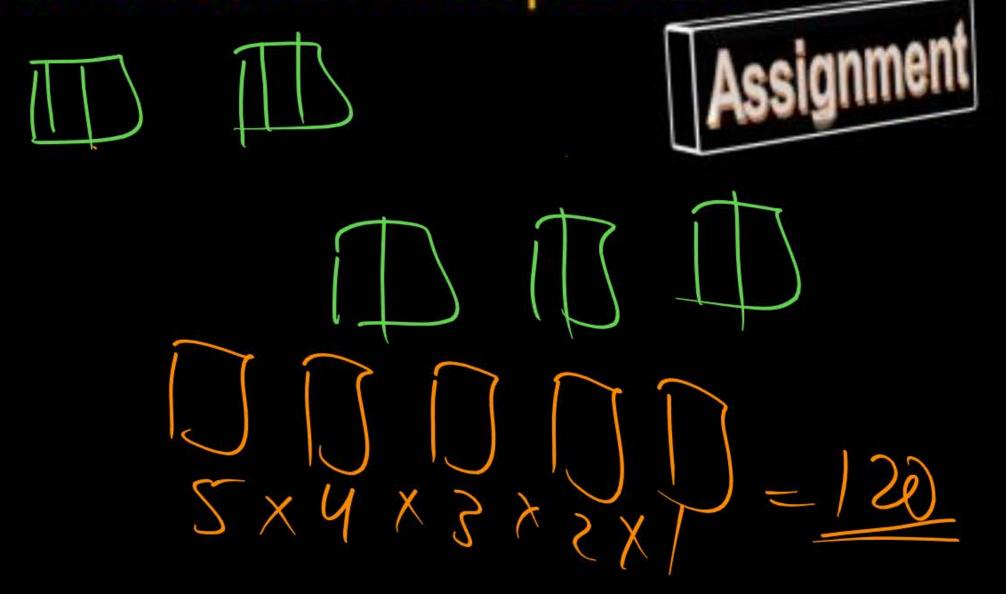


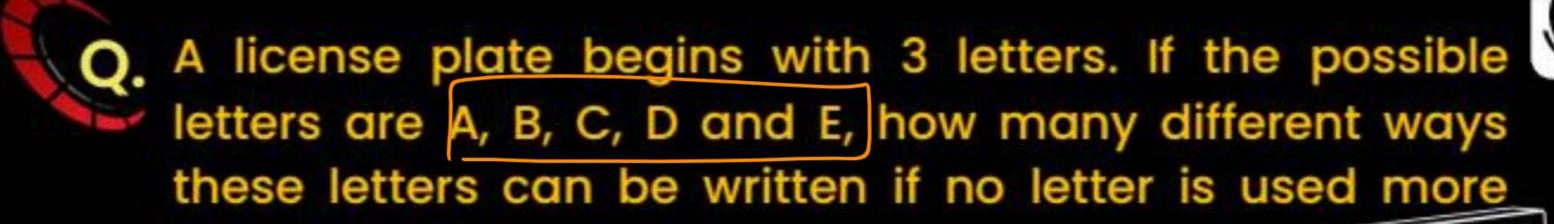


Q

A library has two books each having three copies and three other books each having two copies. In how many ways can all these books be arranged in a shelf so that the copies of the same book are not separated?





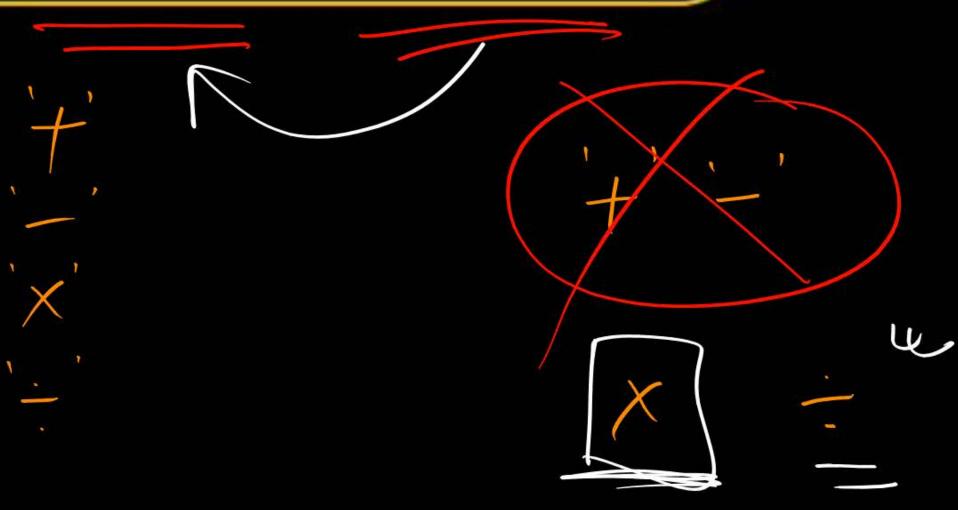


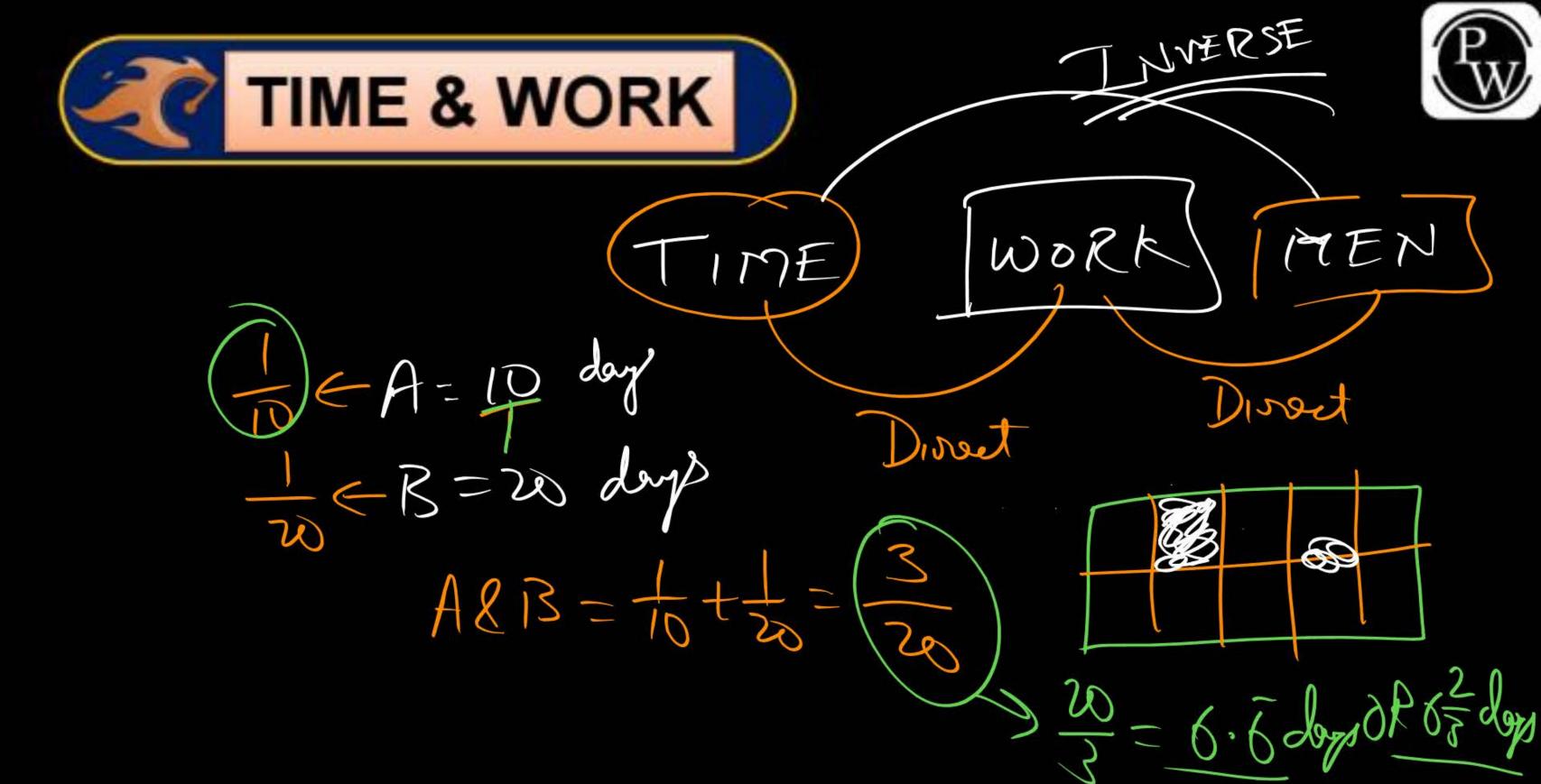
than once?



## Direct & Inverse







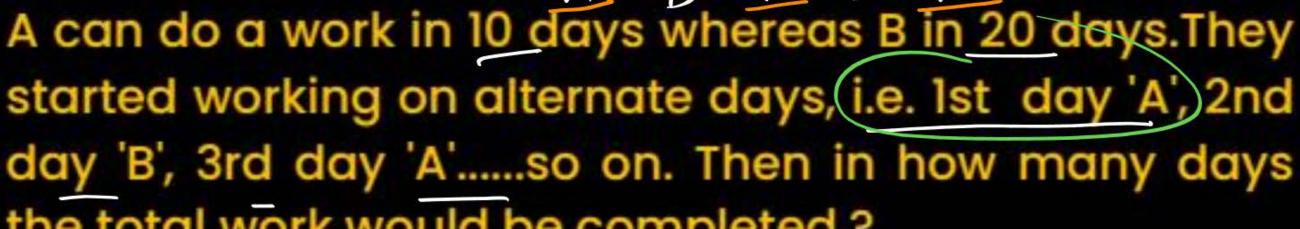


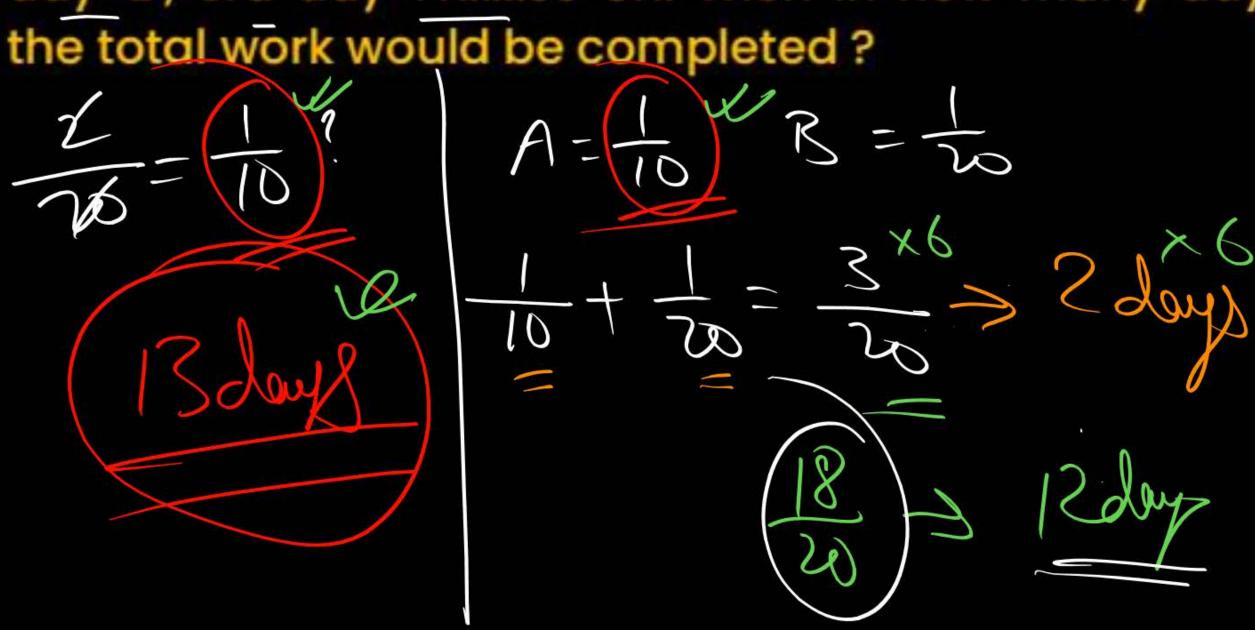




If A and B together can complete a work in 40 days whereas A alone in 60 days, then B alone can complete that work in how many days?

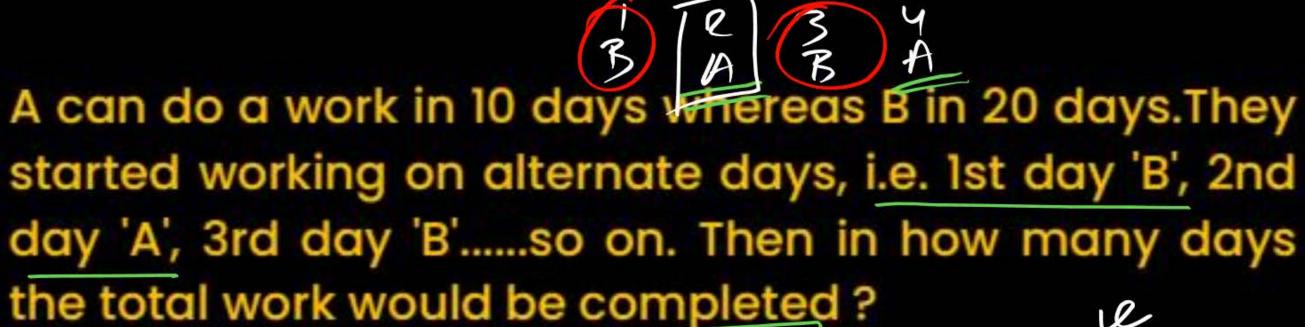


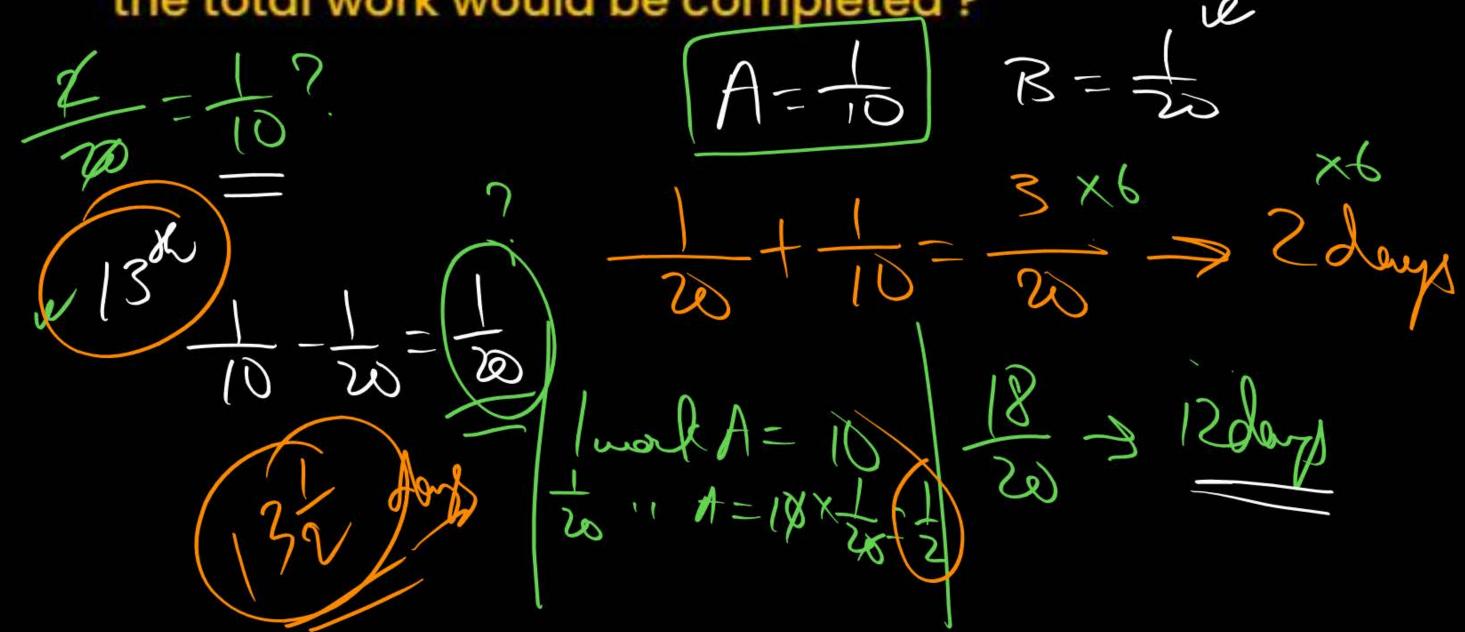


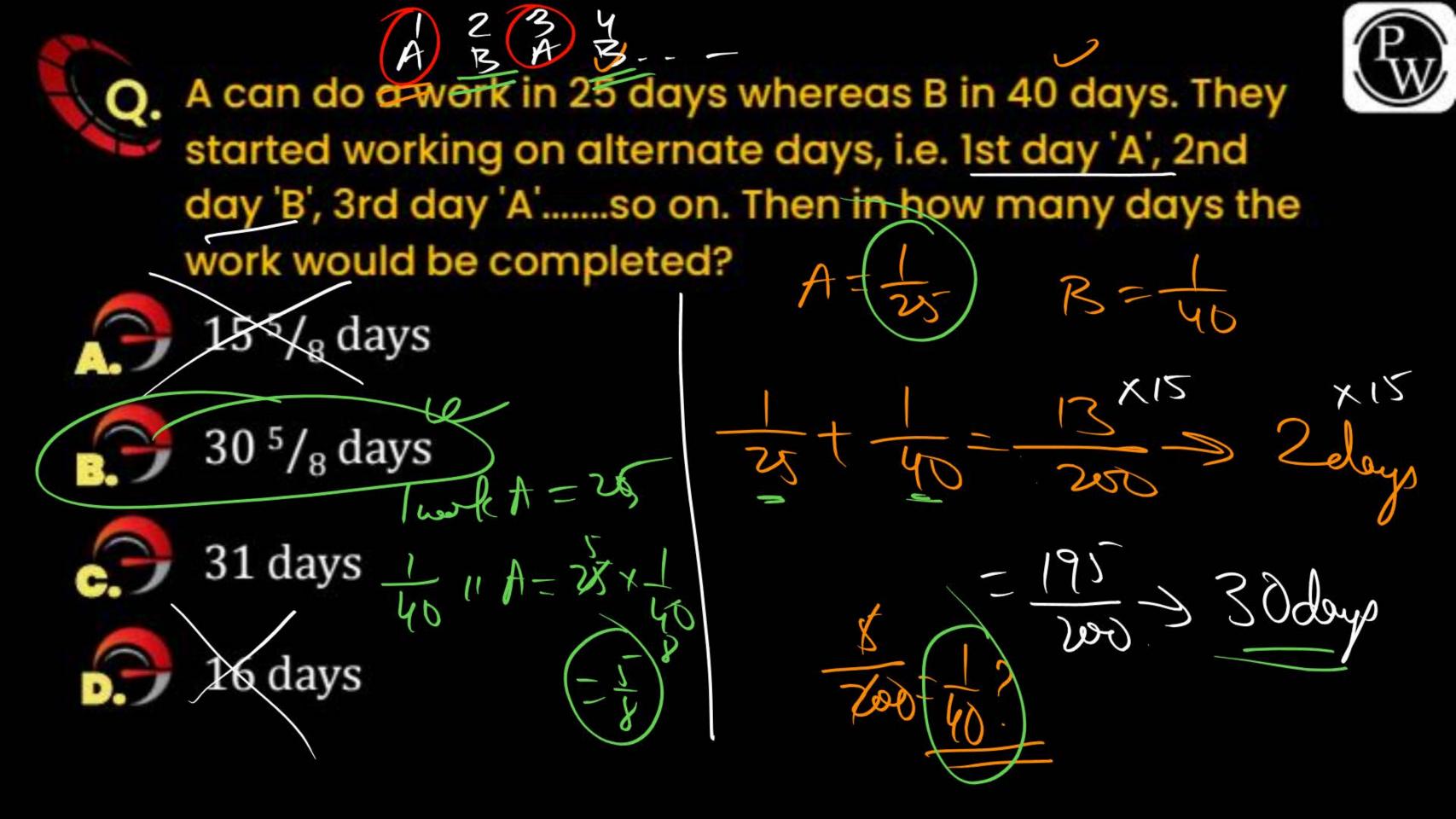






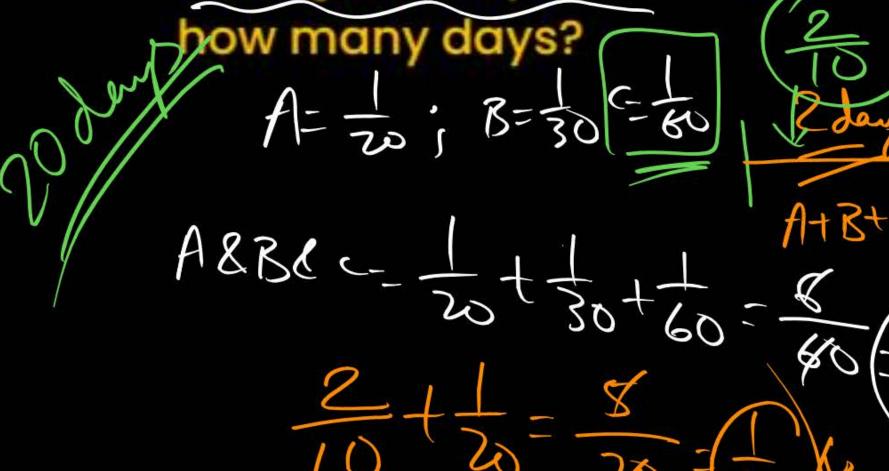






Q. A can do a work in 20 days whereas B in 30 days and C in 60 days. They started the work together. But A left after two days and B left three days before the

work got completed. Then, the total work was done in





3 11 Bac= 48

A can do a work in 20 days whereas B in 30 days and C in 60 days. They started the work together. But A left after two days and B left three days before the work got completed. Then the total work was done in how many days?

A- 50 Le

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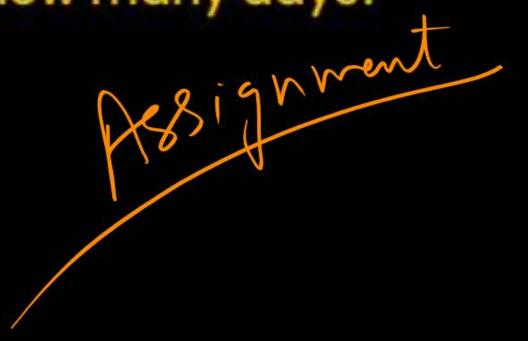
A can do a work in 10 days whereas B in 20 days and C in 60 days. They started the work together. But A left at the end of 3rd day and B left at the end of 5th day. Then the remaining work was done by C in how many days?













## If 9 MONKEYS EAT 9 BANANAS IN 9 MINUTES, THEN HOW MANY MONKEYS WILL EAT 45 BANANAS IN 45 MINUTES?

Assignment



