HOME ASSIGNIVIE

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and an appartant for the second

16.08.24 of the field wo would be have reaped in 25 days? Given,

No. of days to a treap B a field = 30 days Work done by Ramdin in 1 day = $\frac{1}{30}$ Work done in B as days = $\frac{1}{30}$ xas

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== tlence, 5/6 part of the field "

"Hence, he would have thear reaped 5/6 part of the field in 25 days.

& 2. A farement to can neap a field in 10 days. days while his wife can do it in 8 days (does (she does not waste time in smoking). If they work to together together, in how much time can they rceap the field?

Given,

No. of days taken by & a farmer & to reap=10 days Abo No. of days tataken by his wife to reap=8 days. Amount of work & done by the farmer in I day = 1 Amount of work done by this wife in 1 day clay=1 in together of Amount of work done by both of them, in 1 day=

 $\frac{1}{10} + \frac{1}{8} = \frac{9}{90}$ No. of days taken to complete the work "by them

par doption

= 40 days = 4 q days

. Hence, they can reap the # field in 4 4/9 days days, if they work together.

A STREET

3. A can do a job in 10 days. while B can do it in 15 days. If they work togethere can earch and earch I3,500 #3,500, how should they share the money? Given, No, of days taken by A = 10 days 101 (1-5) No of days taken by B = 15 days Hans si Amount eatened by them massion $D = \frac{23}{500}$ Amount of work done by A in 1 day = 1 Amount of work done by B in 1 day = 1 Amount of work done by both of them in together togethere in a 1 day = 1 + 1 10 + 15 d'été quistit à Application de la 1930 186 For $\frac{1}{6}$ work, they earen = $\overline{2}3,500$ For 1 work, they earen = $\overline{2}3,500$ = $\overline{2}217 = \overline{2}21,000$ = 221 = 721,000 Bo Shatting ; partite to 2 10 For $\frac{1}{10}$ work, A. $\frac{10}{10}$ earns = $\frac{21000 \times 1}{10}$ put tail put mote $\frac{10}{10}$ as to the set $\frac{10}{10}$ = $\frac{2}{2}$, 100 For 15 work, Beatteranns= 21000×1 knows all 8 per modules por count aports = 7 19400 . Hence, they should shake the money by take . dividing it into 22,100 and 23, 23 2 1,400. Q. 4. A and B togethere can paint a room in 2 days, 2 days - A alone can do it in 3 days 3 days - How many days would B require to working alone to paint the room? the moom? Given, No. of days taken when worked together = 2 days No. of days taken by $A = \frac{-3}{2} day = -3 days$ Amount of work done by a together in 1 day Amount of work done by A ? in 1 day = $\frac{1}{3}$ Amount of work done by B in 1 day = $\frac{1}{3}$ = $\frac{1}{3}$

No. of days taken by Brow = 6 days « Hence, B would require 6 days working de alone to paint & the record toom. *5. A can do g the of a certain work in 2 days and B can do Bin 2rd of it & in & days & days. In how much time can they together complete & the the No. of days taken by A to complete 1/5 th of a work = 2 days Given, No. of days taken by B to comple complete 2/3rd of the work > = 8 days Are ount of work done by A in I day = 2x1 = 10 No. of days taken by A to complete \$ the work = 520 = 2×5= 10 days Amount of of work of done by A on oin a 1 day Amount of work work done by B in 1 day = ~8×3=8×3 KISS & MULTAN BERKERINS - STREEK -12d No. of days taken by to taken by B to compl Complete the work 23 = 8x = 12 days. Amount of work of done by B in 1 day of F12 well - shads - thous Amount of work done by both of them in together in I day = 1 the them in this montapert hadamas portos andult epicies 100 511 9 - 60 days e red anote danson la trans 55 5 days. * Hence, they can together complete the work

6. One tap fills a tank in 20 minutes and another top top fills it in 12 minutes. The tank being empty and if both taps at taps are opened togeth together, in how more many minutes the tank will be the full? Given, Amount of tops footent to time taken by mone tap = 20 minutes Amount of time taken by another tap. tap = 12 minutes Amount of work done by fires frost time in 1 minute Amount of worth done by so second & tap in r second tap in 10 minute = 1 Amount of work of done by both of them in together in 1 minute = 1 + 1 20 + 12 = 2 15 Amount of time taken by both of of them = 15 = 7 1 days the ... Hence, the tank will be full in 7 - 97 minute 7. A can do a work in 6 days and B a can do it in 8 days. They worked togethere fore 2 days and then B left the work work. How many days will A nequine to finish the work. Giveng No. of days taken by A= = 6 days AD No. of days taken by B= 8 days Amount of work done by A in 1 day = 1 Amount of work done by B in I day =] Amount of work done by both of a of them in tog togethere fin I day = 1 + 1 = 5 = 7 ay Amount of work done by both of them in to together ma din 2 days of = 2x7 QÝ Amount of work to left = 1-7

A No. of days taken by A to excomplete 20000005/120 No. of days with work and of the set of the Boi Flence, A will require 2 days to to 2 days. finish & the the work work. In Januar S 8. A can do a piece of work in 40 days. He works at it for 8 days and then B finishes the rem tremaining work in to days 16 days. How many thow long will they work take do to complete the work if they to do it to together? entrough at work of door by that has the door of the L(J. Munical A alize markets to the allow by and i suit to know alig the first the tool will be that in the south is the Tell room the an enerth "In Gardage and B et auto it. In 8 days They amailed Engeltion ton 2 days and then B Inst "The event works "thore many days while it may the La third, the work's Tours et has more such some while a religit during in the dates s the public of Arpolarub there to have a f Standard of Bigst State Amount to Amount Annath To Standard but but have to the termine pill of model Americal advices to the test test of a first strength of the second Colt Hall of Harris to have all