Blood Relations Morrier Alter - Porternal defaultjaken Family tree Domale objeten Osfersale. - - ogen = (ogen) hus parte A son of B. A fathe of B 132 ger A grandfather of B. A - fathelmothy J- son I daughe [In eq father / mother => + 1 son (doughter => -1.

Problems on Ages ...

PAST FIT PRESENTS FUTURE 17 (-10 (27) +10) 37 (ofter, hence) (Ago, before)

years.

or years

x + warm years

D'Father age is 3 hirres thre age of son.

S=x F=3x.

1 Father is aged 8 times more than his son

F = 2 + 3x = 4x. San

Further 3 again + previous)

Aug.

aug = sun of obs tot no of obs

Probability

AND -> X OR -> +

$$2C = 2^2 = 4 \quad 3C = 2^3 = 8$$

non 2 avoid it. either or =7+

alterst = min to max Atmost = max to min

neither nor 2 avoid both.

24 38 HY

1 Borg 101=3 2 is red 3 G+ 4.

1 Bag 74 3R 3-701 2 is red 3 c2 + 2 c1.

Permutalion リンダ、 (n-a)1 3!=6 4!=24 31 = 20 110 ,8 1= 110350 51=120 61=720 Permutal o go for all porribilies Courts - 9 go for required por 3 balls 2 10 0 3 -spille & randowly 112 } 3. > How many ways words can be awayd (3) Non-repeated letter => nogletter! @ Repeated letter = nook with! repealetter! replet 21 (ii) vowed together => LEARN -L.P.N- Ext for reper a: x2! rep! - (constivous).

2) Vowels never come together tot - voud together. (1) No 2 vou els cours together npr x rembles! Eg! BANKER no 2 vowels to gette BNKR-(AE) -> repeate means all divided by 55P2 × 4! (1) Repetion allowed CATACCC, CAR, = Ettersepeat! (vi) Repetien not allowed - Edefacet. CAT => 3! (Levs 1) 5 person letrair = 5 5 person schair = 5!

Form I

PIHIDI

P2 H2 D2

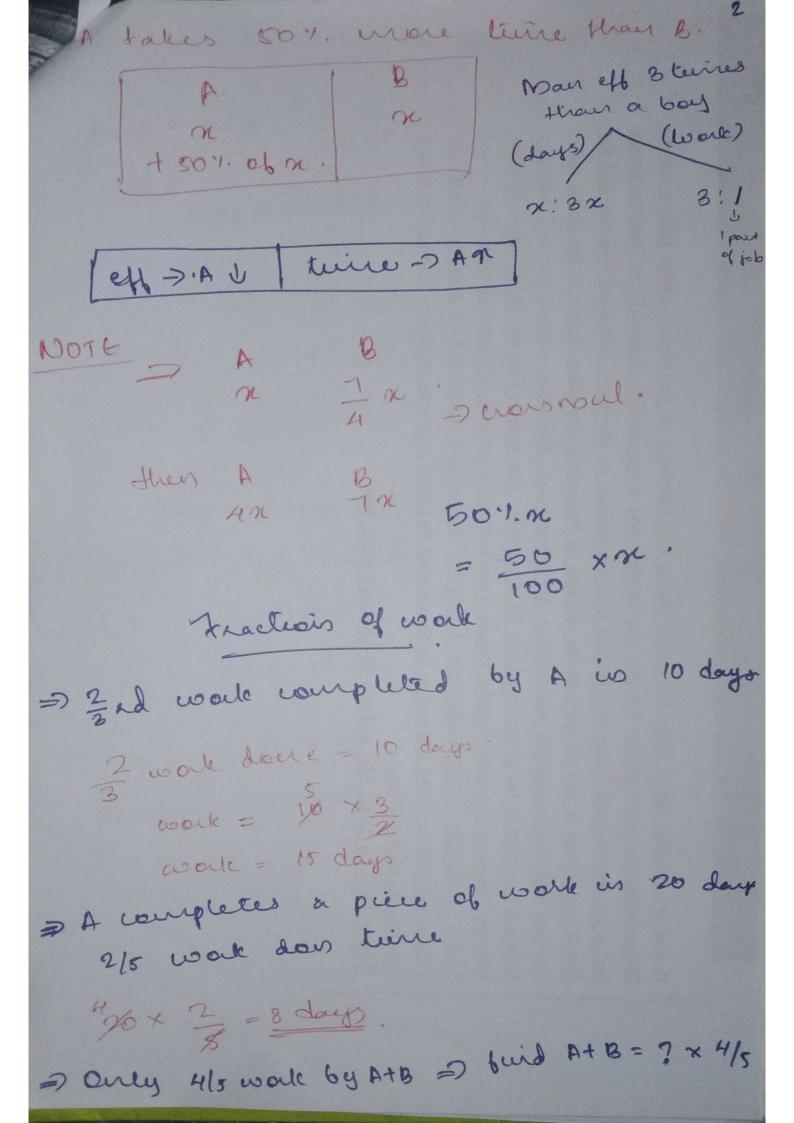
P2 H2 D2

Paus 2

Paus 2

Paus 2 Dine & work P= no of puson H= noof his D= no of days. W= work. Fours 2 PIHIDI = P2H2D2. use if no work gives & when some work in both case. Efficiency of efficiency I time =) A is à limes efficient than B. A B.
5 days 10 days

x x2 2x. Dunie x, 3x. Urly 4 him A B 30 2 guices X3 7 is 50%. more efficient them B A-21001. B-21501.



if B w tog wat is parties of work? done by A. find A+B=x. xx - wood = =. Worle & Wages Work 1 wage 1. 5/7 2/7 1 was way 1. Step 1 - 1 day es done 8 2 - Find Ralio 83 - Find share = ratio + x to laint. Leaving Shortand method (A+B) - () + ()

A -> B.

CP -> prices (600ght)

SP 9 preier (sold).

SP > CP => Profit

CP > SP =7 Lows.

$$A \rightarrow B \rightarrow C$$

$$CA (SA = CB) (SB - CC) SC$$

SA of A = 80.B of B.

1. sdepends of ((6an val).

$$p_1 = \frac{p}{c} \times 100$$

$$=\frac{s-c}{c}$$
 ×100

Model I (some in med page).

$$S = (100 + P')$$
 $S = (100 - L')$ C buid C

C= 10 b 1.

$$S = \frac{100 + 4.1.}{100}$$
 (P. $S = \frac{100 - L''}{100}$) CP

$$C = \frac{100}{100 + 0.7}$$
 SP $C = \frac{100}{100 - 0.7}$ SP

NOTE: 2 autille sell at some SP & lot aut
gain xy., x aut less x1. there

Lors = [x2]

40% profit = 100+20 = 140 4 CP & SPanknoners CP = 100

-> CP -> 100 all Cuin

$$20^{\circ}1. \cos^2 = \frac{100 - 20}{cp} = \frac{80}{100}$$