B 1. 10 15

LCH (10,15) = 30 2 3

Total units = 3+2-50/d. No of days = 30/5 = 6 days.

B - C ( ( ) +

LCM (10,12,15)=60 2. 12 15 10

Total units =6+5+4=15

No of days = \$60/15 = 4 days;

P 10

LCM(6,10)=30 5

Q = Qunits lday of days = 30/2 = 15 days.

4. A+B+C B+C

12

5

4. unit | day

$$A = 5-4 = 1$$
 unit | day

$$5-4=1$$
 unit in do  $14.28/$ .

A can do 
$$14.28\%$$
 of work.  
=  $\frac{60}{1} \times 14.28\%$ .

$$= \frac{60}{1} \times 14.28\%$$

$$= 60 \times (\frac{1}{7}) = 8.4\%$$

B+C C+A 16:

c's efficiency =  $\frac{13}{9}$  -  $6 = \frac{1}{2}$ 

No of days =  $\frac{48x}{(\frac{1}{2})} = 96$ .

$$= \frac{60}{1} \times 60 \times$$

2 (A+B+c) = 13

A+B+C= 13

6 LCH pf (8,12,16)

No of days = 
$$\frac{300}{47} = \frac{600}{47} = \frac{36}{47}$$
.

A = 20 B =  $\frac{35}{47}$  Lcn of ( $\frac{35}{47}$ )

For 5 days =  $\frac{5}{5}$  =  $\frac{100}{47}$ 

Remaining work =  $\frac{100}{45}$  =  $\frac{55}{5}$  =  $\frac{11}{5}$ 

No of days A wasked more =  $\frac{55}{5}$  =  $\frac{11}{5}$ 

A AABC |  $\frac{30}{30}$  =  $\frac{60}{50}$  =  $\frac{60}{50}$  =  $\frac{50}{122}$ 

No of days =  $\frac{5}{122}$ 

No of days =  $\frac{5}{122}$ 

12

20

15

2(A+B+c) = 47

LCH of (15,20,86)

=300

LON (11,22,33)=66

33 . 
$$101(11,12,33)=66$$
A ABC |  $\frac{66}{17}$  =  $\frac{13}{17}$  days

AABC

17units

3 2

$$34^{\circ} = 4000 \text{ ATP}$$

ABABAB.

 $34^{\circ} = 20 = 4^{\circ}$ 

Alp-20 = 4.

Next day A do

 $34^{\circ} = 4000 \text{ AND} + 1+$ 

The sparts = 1day =  $9\frac{1}{2}$ 

5 units

(E) 9=3B

Gangan

1CM= 26 11

(d1x2)+1+1

3 parts = 1 day = 9/2

Next report done

by B' in 1 day.

LCM (20,30) = 60

to of gate 15

Remaining wolk =  $60 - 6 = 54 \Rightarrow \frac{54}{5} = 10\frac{4}{5} days$ 

Total days 10.4 + 13 = 13.4 days

> efficiency nation + G.D = 3:1

can do 8 days less

Days ratio= 1:3

Gragan = X

3x-1 =8

dilip =3%.

Dilip = 3x4=12 days

(#H+6W) 10

HOM+6HW = HOM+60W

GHW = 60W

NOT POSSIBLE

TM +15W

TM +15W

$$= \frac{3}{11}$$
 H

 $= \frac{3}{11}$  H

 $=$ 

5M+8W) 18

(6)

WI = MIDI

W2 N202

72820 = 2860

 $\left(\frac{1}{3}\right)$   $\left(\frac{2}{3}\right)$ 

$$AH = 6W = 20 \text{ days}$$

$$H = \frac{3}{2}W$$

$$6H + UW = 6(\frac{3}{2})W + UW = 20W$$

$$6X = 20XX$$

$$7 = 6 \text{ days}$$

$$30H + 34B = 34H + 18B$$

$$6B = 4H$$

$$B = \frac{2M}{3}$$

$$4H + 3B = 6$$

$$4H + 3(\frac{2\pi}{3}) = 6$$

3M+6B=3H+6\*(2/3)M=7M

x = 5 =

6H=6

6x6 = 7xx

(2) 
$$A = 100\%$$
  $B = 130\%$   
 $A : B = 10:13$   
 $(A + B) = 86$  parts = 39 days

$$C = 100 B = 50 A = 75$$
  
A: B: C = 3:2:4

A: B: 
$$C = 3:2:4$$
  
 $A \times 30 = 5 \times 2$ 

$$5 \times 40 = 15 \times 2$$

$$2 = 40 = 13\frac{1}{3}$$

$$\mathcal{R} = \frac{40}{3} = 13\frac{1}{3}$$

$$A = B \rightarrow 3 A = 4B \Rightarrow$$

$$A = \frac{B}{Q} \rightarrow \frac{3}{4}A = \frac{1}{2}B \Rightarrow A = \frac{1}{8} = \frac{2}{3}$$

$$5 \times 18 = 3 \times 18$$

$$7*18 = 3$$

$$A = \frac{B}{3}$$

$$\frac{H}{T}A = \frac{B}{3}$$