

Part 6

Kashif required = Rs 800

He had = Rs 200 (in bank)

He borrowed = 20% (from brother)

He borrowed = 30% (from mother)

Haw much does he needs more = ?

Bossowed 20% from brother =>

Rs 800 x 20 = Rs 16g

Remaining = R\$800 - 160 = R\$ 640 x 30 = R\$ 192

Bank balance = Rs 200 Funds Now available = 160+192+200 = Rs 552 Amount Still need = Rs800-552 [= Rs 248]

## Part c

1st bag = 3red, 7 black

2nd bag = 8 red, 2 black 3rd bag = 4 red, 6 black

P(bag1) = 4/3

P(bag2) = 1/3

P(bag 3) = 1/3

1

2

P(8ed | bag 1) = 3/10/ P(8ed | bag 2) 8/10/ P(8ed | bag 3) 4/10

P(sed | bag3) = = 1/3 × 4/10 1 x3 + 1 x8 + 1 x4 3 10 3 10 3 10

D(8ed/from 3rd bag) = 4

### Part d

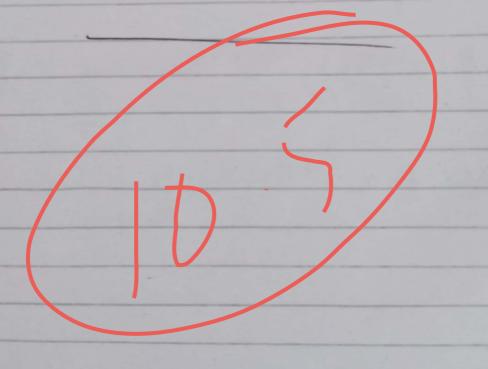
Road lights change at = 24,36 & 72 seconds Simultaneous Change at = 8:20:00 hrs Change again =?

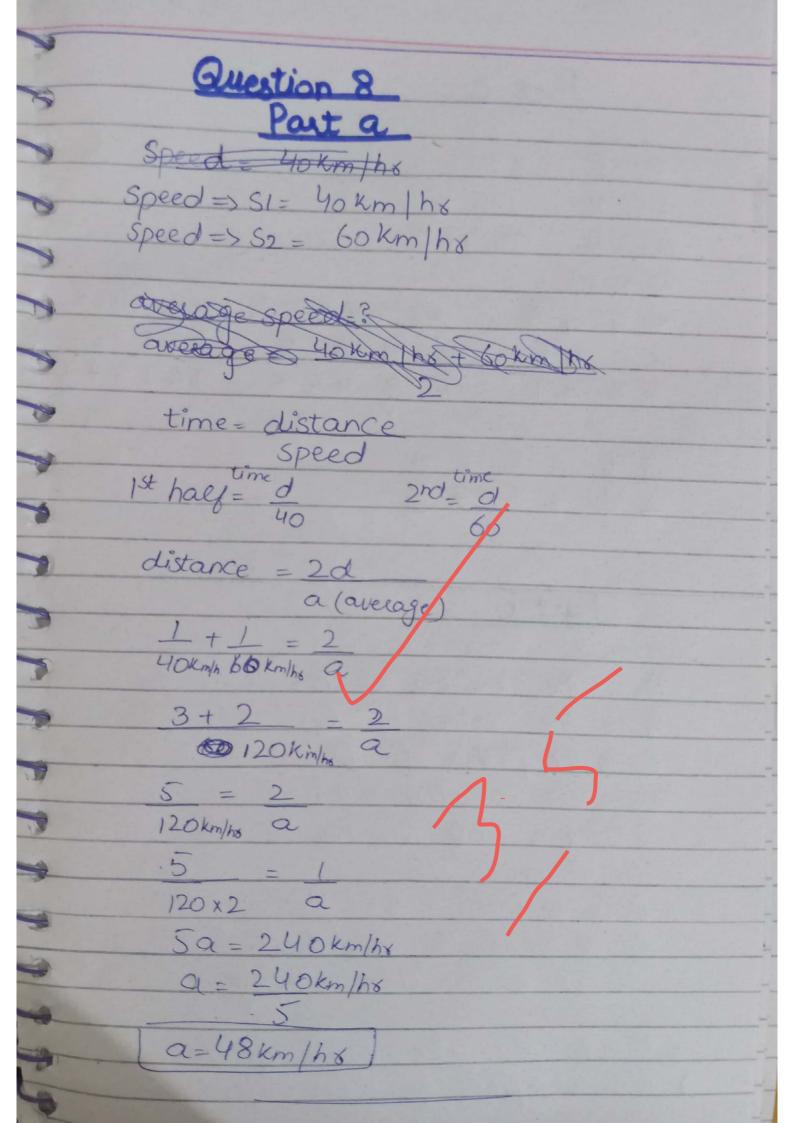
Interval of change = (24,36,72) => LCM=72 sector change after 72 sector 1 minute 12 second

8:20:00

00: 1:12

8:21:12 hxs





# Part b

ROSE 6821

CHAIR 73456

PREACH 961473

SEARCH 3 Same digity

MRO REGION All R DREACH

6821 7 3 436 961473

SEARCH 2 1 4 6 7 3

#### Part c

A is the brother of B.
B is the Sister of Ctather
C is the father of D. D

How D related to A?
D being a male member?

A is brother B is sister C is brother & father to D. A, B& C are three sibilings.

-> A is the paternal uncle of D.

-> D is a nephew or vicce depend in gender.

Part d Towards west Distange from her original and final destination is => 50km Question 7 Parta I = Ishaq time = 6 hours A= Abbas time = 4 hours I= Ixfan = 8 hours It= & after 1 hour A = 1/4 after 1 hour I2 - & after I hour Il and & Start work together for 2 hours (1 +1) + (4 +4)  $= \frac{12}{36} + \frac{21}{42} = \frac{1+1}{3}$   $= \frac{2+3}{6} = \frac{5}{6}$ completed 5/6 of total work.

Abbas (A) leave after 2 hours Isfan and Ishaq working now They need to complete => 1/2 work now I1 + I2 = 1 + 1They both complete = 7/24 work after every hour. need to complete/- 3 4 work. houe = Progress = 4/24
Progress/home = 7/24/home 4 x 24 t= 4 hours t = 0.57 hours t = 0.57 x 60 minutes t= 34.2 minutes It will take approx 0.57 hours where Abbas left. Initial time = 2 hours Total time => 2 hours + 0.57 hours = 2.57 hours de 2 hour 34.2 minutes

THE	
	Part b
0	
D	Asea of the farm = 576m²
1	4 sides of wall 1 side = 24 meter
	So for 3 sides of Asea of wall = 20x2x3
7	So for 3 sides of frea of wall = 24x2x3 = 150 Sq meter
D	On the side = 200 00 = 600 500 motor
7	
	3 sides = 24 to x 3 = 43 500 72 m²  Total - 72 m²
13	10°90 = 72 m + 199m
7	$= 216 \mathrm{m}^2$
7	
7	n = Total students = 7
0	18, 18, 19, 19, 19, 21, 21
-	Sum = 135
0	Mean = Sum of observations
130	n
A	135 Mean=1171
-	t de la constant de l
9	Median
7	(n+1) th term
-	
-	$\frac{7+1}{2} = (\frac{8}{2}) = 4^{+h} \text{ teem}$
	Median = 19
	Treature = 17
-	Mode - Marinum number repeated
-	Mada 10

1) Mean is the average of any numbers.
2) Median is the middle value from numbers given, without arranging.
3) Made is most repeated number from data set or with more frequency.

### Part d

IQ (Intelligence Quotient)

IQ test measures statistically how intelligent a person is.