howhard I manufe hard $\frac{360}{12} = 30^{\circ}$ 60 min = 30° 1 min= 1/2 Lomin=5 u5,min= 22.5 1 What is the angle between hour hand and minute 20 man = 10° = 30+ 20° +20° = 80°

3) What is the angle botween how hand and minute 2.25

$$25 \, \text{min} = 12.5^{\circ}$$

$$= 30^{\circ} - 12.5^{\circ}$$

$$= 17.5^{\circ}$$

$$20^{\circ} + 30^{\circ} + 17.5^{\circ}$$

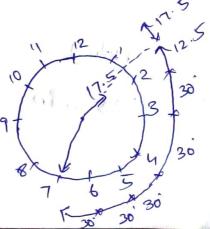
3 1.35

巨水.

$$35 \text{min} = 17.5^{\circ}$$

= $30 - 17.5^{\circ}$
= 12.5°

162.5



$$= |30(2) - \frac{11}{2}(25)|$$

$$= |60 - \frac{275}{2}|$$

$$\begin{vmatrix} 30(1) - \frac{11}{2} & | 80 \end{vmatrix}$$

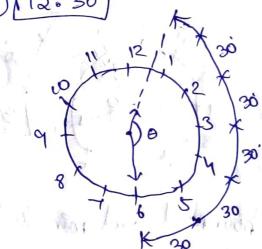
$$\begin{vmatrix} 30(1) - \frac{11}{2} & | 80 \end{vmatrix}$$

$$\begin{vmatrix} 30 - 110 \\ | - 80 \end{vmatrix}$$

$$\begin{vmatrix} -80 \\ | 80 \end{vmatrix}$$

$$\begin{vmatrix} 1.20 \Rightarrow 80 \\ | & 80 \end{vmatrix}$$

(3) [12.30



Formula:



Lossion: 2. clock Togethor.

Nota:1

"55 min space gained by minute hand in 60 minute"

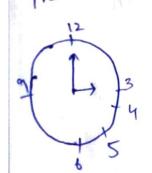
2. 16 Hara 13. 11. 41

EX: 300 - 4.00

bo space or 5 space menute Chow

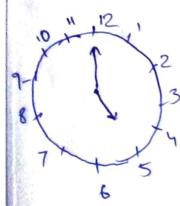
55 min

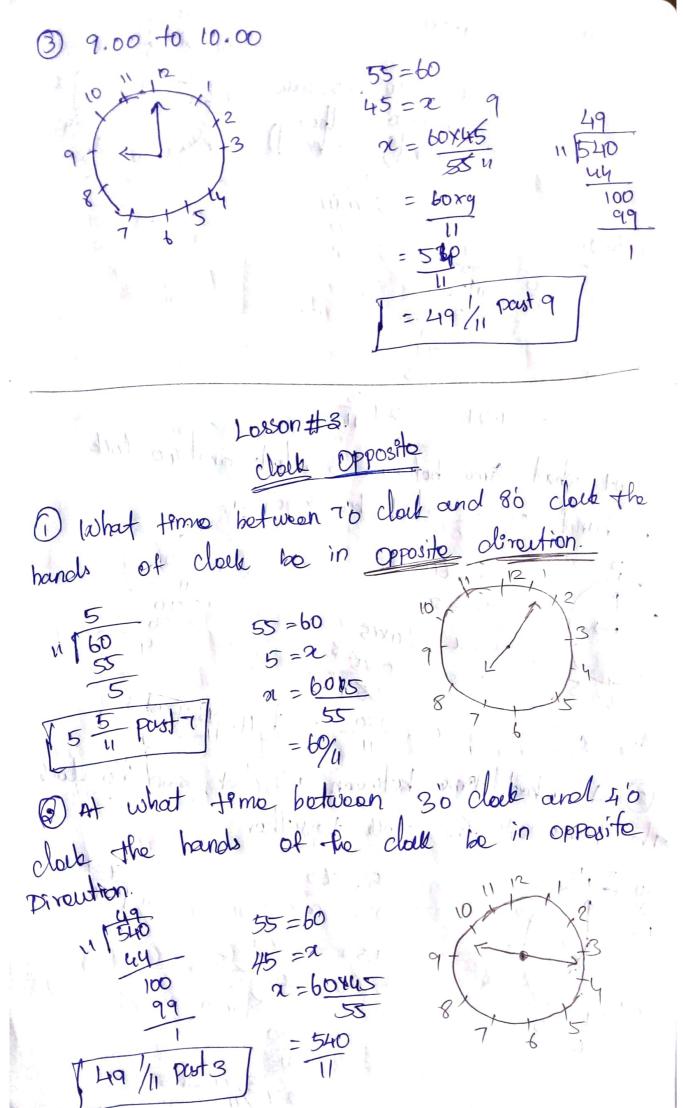
DAT what time botween 3'o clock and 4'o clock the hand of the clock be together.

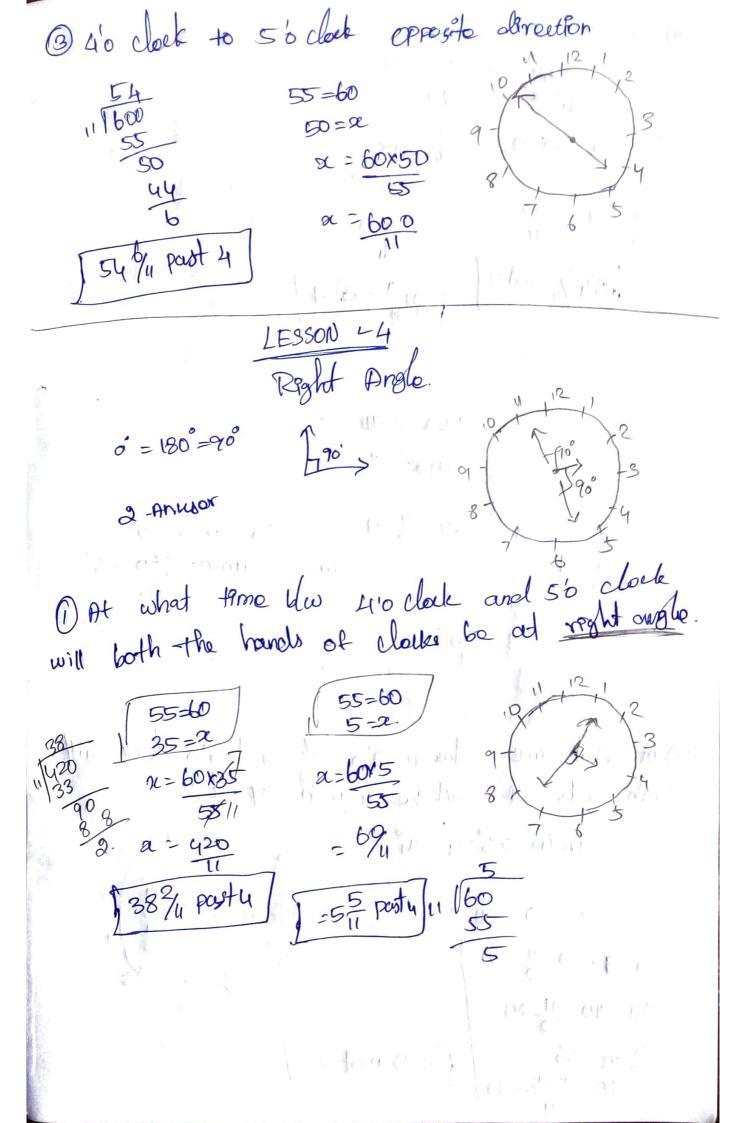


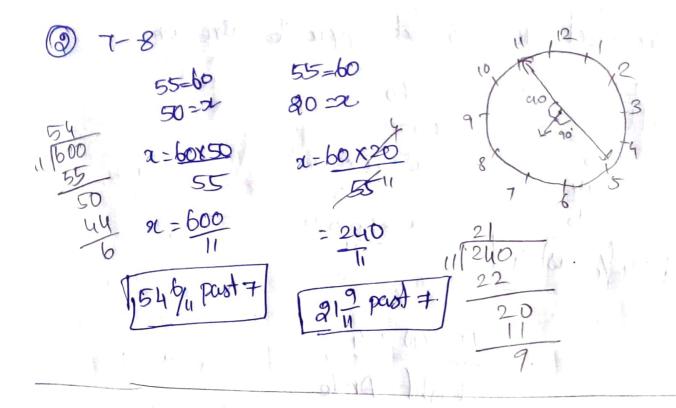
$$55 = 60$$
 $15 = 2$
 $552 = 60 \times 15$

A) what terms between 5'o clock and 6'o clock The hand of the close together







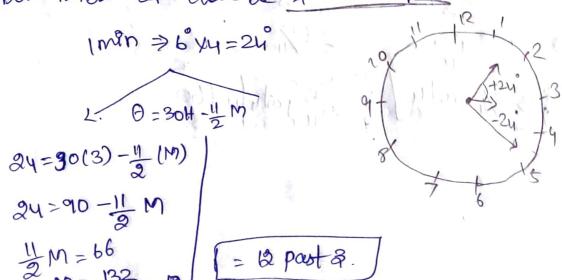


LESSON #5

Aport?

$$6 = 30H - 4 M$$
 $60 \text{ min} \Rightarrow 360$
 $1 \text{ min} = 360 = 6$
 4 min
 4 min

Dot what time between 3'o clock and 4'o clock will both hards of clock be 4 min apart?



$$-24 = 30(3) - 11_{2} (M)$$

$$-24 = 90 - 11_{2} M$$

$$11m = 114$$

$$M = 228$$

$$11$$

$$M = 20 \frac{8}{11} past 3.$$

1) At what 19me between 5'occlock and b'oclock will both the hands of a clock be 3 min apost



$$\frac{11}{2}M = 132$$

$$\frac{11}{2}M = 168$$

$$M = 2$$

$$M = 264$$
 $M = 33$

LE SSON #6.

Loss [Galo

	Normal	Goan	= loss	Normal	8/00/608
Gain	5:00			5:00	J:00.
	6:00	6:10	E Mbc	6:00	5:55
	7:00	7:15.		7:00	6:50

Increase

Decroase

hour + man.

12.

45 hour 4 x66 min

45 hour 48 min

DAkash saw the clock when it was sot right 8 am. The clock gasns 5 minutes on an hour. What time will it showns at 8 pm at same day?

8.00 am 5min 8.00pm

[hr >> 5min

[ahr >> 12.75

= 60 min

8.00pm -> 9.00pm.

1 If a dock gains 5 minutes every hour and A set correctly at 5 am, then at what +9 me will shows at 10 am at the same clays

5.00 am 5min w.00 am.

1-35 min. 5hr -> 5×5

10.00am -> 10.25min.am.

Din.

O Rayu observed that a watch loses 5 seconds on one hour which was set right at 7 am. what time will it show at sign on the same alay.

7.00 cm 5 sec. 2.00 pm. 1hr >> 5 sec. 1×5 >> 35 sec. 2.00 pm.