

Clocks

24 hrs

1 hr = 60 min

1 min = 60 sec

To find mirror image of a clock
subtract from 11:60

There are 60 minute spaces

Total degree

360°

In 1 hr

minute hand = 360°

hour hand = 30°

Second hand = 60 min spaces = $360^\circ = 6^\circ$

So 1 minute = 6°

1 hr = 30°

In 1 minute hour hand moves

$$\frac{30}{60} = 0.5^\circ$$

every 1 hr.

hour hand is slow by 55 minute space

for 90° we need 15 minutes sleep

In 24 hrs we will have

22 times 90° degree in 12 hrs

44 in 24 hrs

every coincidence
occurs 1 hr

but for 12 hrs its 11 times

1 hr - 180° degree

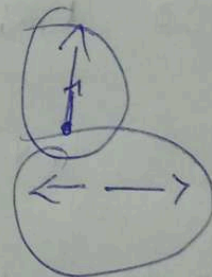
In 12 hrs - 11 times

In 24 hrs = 22 times

every day it will be in straight line

$$22 \times 2 = 44 \text{ times}$$

0° as well as 180°



Gaining

E

losing

Tm

12:00 CT it is slow by 1m after Dm.

12:59 11¹/₂ fast by 5m

12:00 CT

1:05 CT

15 minutes past - 7:15

20 minutes to 8 : 7:40

Quarter past : 7:15 PM

Quarter to 6 : 5:45 PM

In analog mistaken clock. The time
may or may not be correct.

Clocks show correct time 2 times

a day.