



General Aptitude

Quantitative Aptitude

DPP 02 Discussion Clock









How many times do the hands of a clock point towards each other in a day?

- A 18
- B 19
- (C) 22
 - **D** 20



A clock which gains 5 minutes in every two hours is set at 12.00 P.M. on a certain day. Find the time shown by the watch on the next day 11 A.M.

(+) 2.5 min

- A 12 hrs 47 min 30 sec
- B 11 hrs 57 min 30 sec
- C 12 hrs 20 min 30 sec
- D 12 hrs 15 min 30 sec



A clock which loses 10 seconds in every minute is set at 2.00 P.M. on a certain day. Find the time shown by the watch on the next

day 8 P.M.

60x8 = 480



= 525 mm

A clock which loses 50 seconds every two minutes is set at 6.00 P.M. on a certain day. What is the time shown by this watch on the next day if the current time is 3.00 P.M.?

A 4 A.M. −8 hrs 45 mm

50 sec → 2 min

50 min → 2 howy

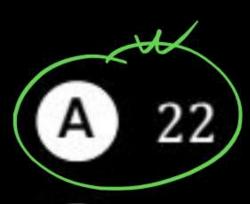
B 9:15 A.M. 6:15 am (-) 25 mm/hr

C 5 A.M. 21 hows (6pm - 3pm)

6:15 A.M.



How many times do the hands of a clock coincide in a day?



- B 23
- **C** 24
- **D** 48



How many times are the hands of a clock at right angles in a day?



What is the angle between the hands of the clock at 2:45?

A
$$180\frac{1^{\circ}}{2}$$

$$182\frac{1^{\circ}}{2}$$

D
$$181\frac{1^{\circ}}{2}$$

B
$$182\frac{1^{\circ}}{2}$$
 $45 \times 5.5 \Rightarrow 247.5^{\circ}$



At 9' O clock find the angle between the hands of the clock?



B
$$250\frac{1^{\circ}}{2}$$

$$\begin{array}{c} \begin{array}{c} 1^{\circ} \\ \hline 2 \end{array}$$



At what time between 6 0' clock and 7 0' clock the hands of the clock will coincide?

A $30\frac{8}{11}$ min

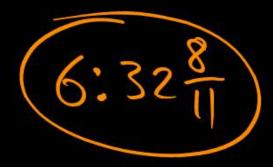
 $\frac{8}{32 \frac{8}{11} \min}$

180°

 $C 20 \frac{8}{11} min$

D $25\frac{8}{11}$ min

$$\frac{180}{5.5} = \frac{360}{11} = 32\frac{8}{11}$$





At what time between 3 0' clock and 4 0' clock the hands of the clock will be at right angles?

A $30\frac{8}{11}$ min

 $8 \quad 32 \frac{8}{11} \text{min}$

$$20\frac{8}{11}\min$$

D
$$25\frac{8}{11}$$
 min

$$\frac{180}{5.5} = \frac{360}{11} = 32\frac{8}{11}$$

