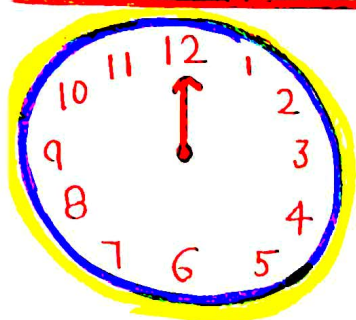


Reasoning

Chapter- Clock

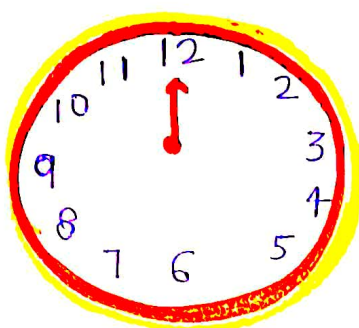
मिनट की सूई
min. hand



1 Hour $\rightarrow 360^\circ$
 60 min $\rightarrow 360^\circ$
 1 min $\rightarrow \frac{360}{60}$

1 min $\rightarrow 6^\circ$

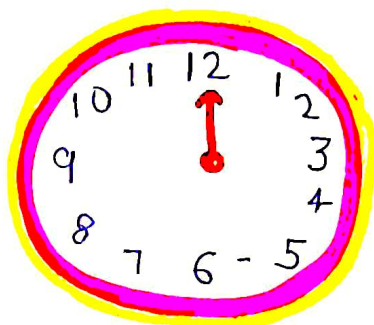
घंटे की सूई
Hour Hand



12H $\rightarrow 360^\circ$
 1H $\rightarrow \frac{360}{12} \Rightarrow 30^\circ$
 60 min $\Rightarrow 30^\circ$
 1 min $\rightarrow \frac{30}{60}$

1 min $\Rightarrow \frac{1}{2}$

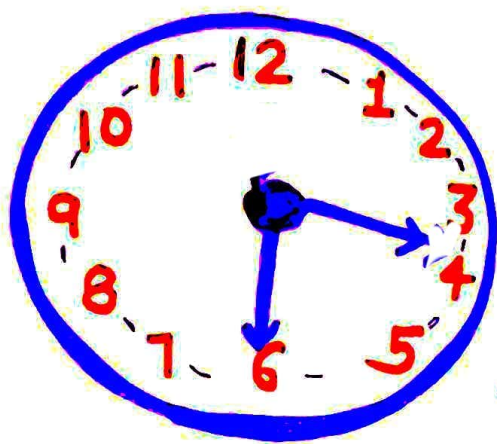
सेकण्ड की सूई
Sec hand



1 min $\rightarrow 360^\circ$

कोण पर आधारित प्रश्न (Angle based question)

3:30 (Angle)



$$\frac{360}{12} = 30^\circ$$

$$30 + 30 + 15 = 75^\circ$$

$$\frac{60H \sim 11M}{2}$$

$$\frac{60 \times 3 \sim 11 \times 30}{2} \Rightarrow \frac{180 \sim 330}{2} \Rightarrow \frac{150}{2} = 75^\circ$$

EX-1 1:10 बन रहा ही तो
घंटे $\times 25$

EX-2 $\frac{3:30}{1:10}$

$$3 \times 25 = 75^\circ$$

EX-3 $\frac{2:20}{1:10}$

$$2 \times 25 = 50^\circ$$

ROJGAR WITH ANKIT

Ex → $4:40$
 $1:10$
 $4 \times 25 = 100^\circ$

Ex → $5:50$
 $1:10$
 $5 \times 25 = 125^\circ$

Ex → $1:10$
 $1 \times 25 = 25^\circ$

Ex → $5:20$ (कीण)

$$\frac{60 \times 5 - 11 \times 20}{2}$$

$$\frac{300 - 220}{2} = \frac{80}{2} = 40^\circ$$

1:4 के प्रत्येक question में
 मिनट का दोगुना कर दे ।

Ex → $1:4$
 4×2
 8°

Ex → $2:8$
 $1:4$
 8×2
 16°

Ex → $3:12$
 $1:4$
 12×2
 24°

ROJGAR WITH ANKIT

$$\odot \underline{4 : 16} \Rightarrow 32$$

$$\odot \underline{5 : 20} \Rightarrow 40$$

$$\odot \underline{6 : 24} \Rightarrow 48$$

$$\odot \underline{7 : 28} \rightarrow 56$$

$$\odot \underline{8 : 32} \rightarrow 64$$

$$\odot \underline{9 : 36} \rightarrow 72$$

$$\odot \underline{10 : 40} \rightarrow 80$$

$$\odot \underline{11 : 44} \rightarrow 88$$

$$\odot \underline{12 : 48} \rightarrow 96$$

$$\underline{5 : 25 \text{ (Angle)}}$$

$$\frac{60 \times 5 \sim 11 \times 25}{2}$$

$$\frac{300 \sim 275}{2}$$

$$\frac{25}{2}$$

$$\Rightarrow 12.5^\circ$$

$$\frac{60H \sim 11M}{2}$$

$$1:10 \rightarrow \text{घंटे} \times 25$$

$$1:4 \rightarrow \text{मिनट का दोगुना}$$

$$1:5 / 1:6 \rightarrow \text{मिनट का आधा}$$

ROJGAR WITH ANKIT

Ex-1

$$8 : 40$$

$$1 : 5$$

$$\frac{40}{2} = 20$$

Ex-2

$$10 : 50 \Rightarrow 25$$

$$5 : 30 \Rightarrow 15$$

$$2 : 12 \Rightarrow 6$$

$$11 : 55 \Rightarrow 27.5$$