

$$\textcircled{18} \quad \text{Mohit} \xrightarrow{+10\%} \text{Karim} \xrightarrow{+4\%} \text{Rahim}$$

? Rs 14300

$$\text{CP of watch for Rahim} = \text{SP for Karim}$$

$$= \text{Rs } 14300$$

$$\text{CP of watch for Karim} = \text{SP for Mohit}$$

$$= \frac{100}{100+9\%} \times \text{SP}$$

$$= \frac{100}{104} \times 14300$$

$$= \text{Rs } 13750$$

$$\text{CP of watch for Mohit} = \frac{100}{100+9\%} \times \text{SP}$$

$$= \frac{100}{109} \times 13750$$

$$= \text{Rs } 12500$$

or

$$\text{CP of watch for Mohit} = \frac{100}{100+9\%} \times \text{SP for Mohit}$$

or
CP for Karim

$$= \frac{100}{109} \times \frac{100}{104} \times 14300$$

$$= \text{Rs } 12500$$