

15) Let CP of TV = Rs x , loss% = 8, g% = 6

$$SP_2 - SP_1 = 3360$$

$$\frac{100+g\%}{100} \times x - \frac{100-l\%}{100} \times x = 3360$$

$$\frac{106}{100} x - \frac{92}{100} x = 3360$$

$$(\times 100) \quad 106x - 92x = 336000$$

$$\Rightarrow 14x = 336000$$

$$\Rightarrow x = \frac{336000}{14}$$

$$= 24000$$

$$\therefore CP = \text{Rs } 24000$$

or

$$\text{diff of gain\% and loss\%} = 6 - (-8)$$

$$= 6 + 8$$

$$= 14$$

$$\text{diff. in SP} = \text{Rs } 3360$$

acc to condition

$$14\% \text{ of CP} = \text{Rs } 3360$$

$$100\% \text{ of CP} = \frac{3360}{14} \times 100$$

$$= \text{Rs } 24000$$