

$$\begin{aligned}
 6. \quad \text{S.P. of washing machine} &= \text{Rs } 13500 \\
 \text{loss \%} &= 20 \\
 \text{CP of washing machine} &= \frac{100}{100 - \text{lt.}} \times \text{SP} \\
 &= \frac{100}{100 - 20} \times 13500 \\
 &= \frac{25}{80} \times 13500 \\
 &= \text{Rs } 16875
 \end{aligned}$$

$$7 \text{ (i)} \quad 10 : 3 : 12$$

$$\begin{aligned}
 \text{Sum of parts} &= 10 + 3 + 12 \\
 &= 25
 \end{aligned}$$

$$\begin{aligned}
 \text{Percentage of carbon} &= \frac{3}{25} \times 100 \\
 &= 12
 \end{aligned}$$

$$8 \text{ (i)} \quad \text{let wt of chalk stick} = x \text{ g}$$

$$\frac{12}{100} x = 3$$

$$\Rightarrow x = 3 \times \frac{100}{12}$$

$$= 25$$