4. CP = ₹162

Repairing on its bicycle = ₹18

Total price = ₹162 + ₹18

= ₹180

SP = ₹207

Profit = SP - CP

= ₹207 - ₹180

= ₹27

Profit % = $\frac{\text{Profit}}{\text{CP}} \times 100$

= $\frac{27}{180} \times 100$

= 3 × 5 = 15% (Ans)

7. SP = ₹5500

i) Loss incured = $\frac{1}{10} \times 5500$ = ₹550 (Ans)

ii) CP = ₹5500 + ₹550 = ₹6050 (Ans)

[illegible]

iii) Loss % = $\frac{550 \times 100}{6050} = \frac{5500}{6050} = \frac{100}{11} = 9\frac{1}{11}\%$ (Ans)

8. Let the CP be x,

SP = $\frac{4}{5}x$

Gain = SP − CP

$= \frac{4}{5}x - x$

$= \frac{4x - 5x}{5} = -\frac{x}{5}$

So, it is loss.

Loss = $\frac{1x}{5}$

Loss % = $\frac{x}{5} \div x \times 100$

$= \frac{x}{5} \times \frac{1}{x} \times 100^{20} = 20\%$ (Ans)