

Exercise 8(A)

$$\textcircled{1} \quad \text{Cp of 1} = \frac{40}{10}$$

$$= ₹ 4$$

$$\text{Sp of 1} = ₹ 4.75$$

$$\text{Gain} = ₹ (4.75 - 4)$$

$$= ₹ 0.75$$

$$\text{Gain percentage} = ₹ \left( \frac{0.75}{4} \times 100 \right)$$

$$= ₹ \left( \frac{75}{4} \right)$$

$$= ₹ 18.75$$

$$\textcircled{2} \quad \text{ICP} = ₹ \frac{3}{4}$$

$$\text{IOP} = ₹ \frac{4}{3}$$

$$\text{ICM} = \frac{2 \times 4 \times 3}{2 \times 2 \times 3}$$

$$= \frac{24}{12}$$

$$= 2 \times 2 \times 3 = 12$$

$$\text{ICP} = \frac{3 \times 4}{4}$$

$$= ₹ 3$$

$$\text{CP} = \frac{4 \times 3}{3} \\ = ₹ 4$$

$$\text{profit} = 4 - 3 \\ = ₹ 1$$

$$\text{profit \%} = \frac{1}{3} \times 100 \\ = 66 \frac{10}{3}$$

③ CP of 1 =  $\frac{112.5}{15}$   
= ₹ 7.5

$$\text{SP of 1} = \frac{108}{12} \\ = ₹ 9$$

$$\text{profit} = 9 - 7.5 \\ = ₹ 1.5$$

$$\text{profit \%} = \frac{1.5}{7.5} \times 100 \\ = 20\%$$

④ Article should be sold =  $\frac{75}{1.5}$   
= 50