

$$2 \text{ d) } 1:2:5$$

$$\begin{aligned} \text{sum of parts} &= 1+2+5 \\ &= 8 \end{aligned}$$

$$\begin{aligned} \text{Percentage of I Part} \\ &= \frac{1}{8} \times \overset{25}{100} \\ &= 12.5 \end{aligned}$$

$$\begin{aligned} \text{Percentage of II Part} \\ &= \frac{2}{8} \times \overset{25}{100} \\ &= 25 \end{aligned}$$

$$\begin{aligned} \text{Percentage of III Part} \\ &= \frac{5}{8} \times \overset{25}{100} \\ &= \frac{125}{2} \\ &= 62.5 \end{aligned}$$

$$\begin{aligned} \text{(3) decrease in population} &= 25000 - 24500 \\ &= 500 \end{aligned}$$

$$\begin{aligned} \text{Percentage decrease} &= \frac{\text{decrease}}{\text{original pop.}} \times 100 \\ &= \frac{500}{25000} \times 100 = 2 \end{aligned}$$