⑯ let Salim's age two years ago = x years

daughter's age two years ago = y years

con I

$$x = 3y \quad \cdots ①$$

c I $\quad x + 8 = 2(y+8) + 4$

$\Rightarrow x + 8 = 2y + 16 + 4$

$\Rightarrow x - 2y = 12 \cdots ⑪$

From ①, ⑪

$$3y - 2y = 12$$

$\Rightarrow y = 12$

Sub ①

$$x = 36$$

Salim's present age = 38 years

daughter's present age = 14 years

⑰ let father's present age = x years

let sum of ages of two children (present) = y years

acc to c I $\quad x = 2y \cdots ①$

acc to condition II

$$x + 20 = y + 40$$

$\Rightarrow x - y = 20 \cdots ⑪$

From ①, ⑪

$$2y - y = 20$$

$\Rightarrow y = 20$

Sub ①

$$x = 2 \times 20 = 40$$

Present age of father = 40 years

⑱ let the numbers be x, y

acc to con I

$$\frac{x}{y} = \frac{5}{6}$$

$\Rightarrow 6x - 5y = 0 \cdots ①$

acc to con. II

$$\frac{x-8}{y-8} = \frac{4}{5}$$

$\Rightarrow 5x - 40 = 4y - 32$

$\Rightarrow 5x - 4y = 8 \cdots ⑪$

① × 5 − ⑪ × 6

$$\begin{array}{l} 30x - 25y = 0 \\ 30x - 24y = 48 \\ \hline -y = -48 \end{array}$$

$\Rightarrow y = 48$

Sub ①

$6x - 48 \times 5 = 0$

$\Rightarrow 6x = 240$

$\Rightarrow x = 40$

∴ nos are 40, 48