

8. let the numbers be  $x, x+1, x+2$   
according to condition

$$2x + 3(x+1) + 4(x+2) = 74$$

$$\Rightarrow 2x + 3x + 3 + 4x + 8 = 74$$

$$\Rightarrow 9x + 11 = 74$$

$$\Rightarrow 9x = 74 - 11$$

$$\Rightarrow 9x = 63$$

$$\Rightarrow x = \frac{63}{9}$$

$$\Rightarrow x = 7$$

$\therefore$  numbers are 7

$$7+1 = 8$$

$$7+2 = 9$$

9. let Rahul's present age =  $5x$  years

Harroons present age =  $7x$  years

according to condition

$$5x + 4 + 7x + 4 = 56$$

$$\Rightarrow 12x = 56 - 8$$

$$\Rightarrow 12x = 48$$

$$\Rightarrow x = \frac{48}{12}$$

$$\Rightarrow x = 4$$

$$\begin{aligned} \text{Rahul's present age} &= 5 \times 4 \\ &= 20 \text{ years} \end{aligned}$$

$$\begin{aligned} \text{Harroons present age} &= 7 \times 4 \\ &= 28 \text{ years} \end{aligned}$$