

10. let number of boys = $7x$
number of girls = $5x$
according to condition

$$7x - 5x = 8$$

$$\Rightarrow 2x = 8$$

$$\Rightarrow x = \frac{8}{2} = 4$$

$$\Rightarrow x = 4$$

$$\therefore \text{no. of boys} = 7 \times 4 = 28$$

$$\text{no. of girls} = 5 \times 4 = 20$$

11. let Baichung's age = x years
his fathers age = $(x + 29)$ years

his grandfathers age = $x + 29 + 26$
= $(x + 55)$ years

acc. to con.

$$x + x + 29 + x + 55 = 135$$

$$\Rightarrow 3x + 84 = 135$$

$$\Rightarrow 3x = 135 - 84$$

$$\Rightarrow x = \frac{51}{3} = 17$$

\therefore Baichung's age = 17 years

$$\left. \begin{array}{l} \text{fathers age} \\ = 17 + 29 \\ = 46 \text{ years} \\ \text{grandfathers} \\ \text{age} = 17 + 55 \\ = 72 \text{ years} \end{array} \right\}$$