12.

let ravi's present age = x years
according to condition

$$x + 15 = 4x$$

$$\Rightarrow 4x - x = 15$$

$$\Rightarrow 3x = 15$$

$$\Rightarrow x = \frac{15}{3}^{5}$$

$\therefore$ Ravi's present age = 5 years

13.

let rational number be x
acording to condition

$$\frac{5}{2}x + \frac{2}{3} = -\frac{7}{12}$$

$(\times 12)$ $\frac{5}{2}x \times 12^{6} + \frac{2}{3} \times 12^{4} = -\frac{7}{12} \times 12$

$$\Rightarrow 30x = -7 \quad -8$$

$$\Rightarrow x = -\frac{15}{30}^{1}_{2}$$

$$\Rightarrow x = -\frac{1}{2}$$

$\therefore$ required reational no. $-\frac{1}{2}$