

$$\begin{aligned} (25) \quad \frac{x}{5} + 30 &= 18 \\ \Rightarrow \frac{x}{5} &= 18 - 30 \\ \Rightarrow \frac{x}{5} &= -12 \\ \Rightarrow x &= -12 \times 5 \\ \Rightarrow x &= \underline{-60} \end{aligned}$$

$$\begin{aligned} (26) \quad \text{let number} &= x \\ \frac{x}{8} &= -3 \\ \Rightarrow x &= -3 \times 8 \\ \Rightarrow x &= \underline{-24} \end{aligned}$$

$$\begin{aligned} (27) \quad 4p - 9 &= 11 \\ \Rightarrow 4p &= 11 + 9 \\ \Rightarrow p &= \frac{20}{4} = 5 \\ \Rightarrow p &= \underline{5} \end{aligned}$$

$$\begin{aligned} (28) \quad \frac{2}{5}x - 2 &= 5 - \frac{3}{5}x \\ \Rightarrow \frac{2}{5}x + \frac{3}{5}x &= 5 + 2 \end{aligned}$$

$$\Rightarrow \frac{2x + 3x}{5} = 7 \quad \Rightarrow \frac{5x}{5} = 7 \quad \Rightarrow x = \underline{7}$$

$$\begin{aligned} 29. \quad \text{let swarnims} \\ \text{present age} &= x \text{ years} \\ \text{acc. to conv.} \\ x + 18 &= 4x \\ \Rightarrow 4x - x &= 18 \\ \Rightarrow 3x &= 18 \\ \Rightarrow x &= \frac{18}{3} = 6 \\ \Rightarrow x &= 6 \end{aligned}$$

Swarnim's present age = 6 years

$$30. \quad \underline{4x + 15 = 39}$$

$$\begin{aligned} 31. \quad \text{let numerator} &= x \\ \text{denominator} &= x + 10 \\ \text{acc. to conv.} \\ \text{new denominator} \\ &= x + 10 - 1 \\ &= \underline{x + 9} \end{aligned}$$