

4. let digit at units place = $3x$

digit at tens place = $\frac{3x}{3}$ or $3 \times 3x = 9x$

\therefore number = $10 \times x + 3x$ or $10 \times 9x + 3x$
 $= 13x$ $= 93x$

number formed by reversing order of digits = $10 \times 3x + x$ or $10 \times 3x + 9x$
 $= 31x$ $= 39x$

according to condition

$$13x + 31x = 88$$

$$\Rightarrow 44x = 88$$

$$\Rightarrow x = \frac{88}{44}$$

$$\Rightarrow x = 2$$

$$\therefore \text{Number} = 13 \times 2 = 26$$

$$93x + 39x = 88$$

$$\Rightarrow 132x = 88$$

$$\Rightarrow x = \frac{88}{132}$$

$$= \frac{2}{3}$$

$$\therefore \text{number} = \frac{93 \times 2}{3}$$

$$= 62$$

\therefore original no. = 26 or 62