



Exercise 3C

Q1

Answer :

(i) Subtraction: $6237 - 694 = 5543$

Addition: $5543 + 694 = 6237$

(ii) Subtraction: $21205 - 10899 = 10306$

Addition: $10306 + 10899 = 21205$

(iii) Subtraction: $100000 - 78987 = 21013$

Addition: $21013 + 78987 = 100000$

(iv) Subtraction: $1010101 - 656565 = 353536$

Addition: $353536 + 656565 = 1010101$

Q2

Answer :

(i) $917 - *5* = 5*8$

$$\begin{array}{r} 917 \\ - *5* \\ \hline 5*8 \end{array} \Rightarrow \begin{array}{r} 917 \\ - 359 \\ \hline 558 \end{array}$$

$\Rightarrow 917 - 359 = 558$

(ii) $6172 - **69 = 29**$

$$\begin{array}{r} 6172 \\ - **69 \\ \hline 29** \end{array} \Rightarrow \begin{array}{r} 6172 \\ - 3269 \\ \hline 2903 \end{array}$$

$\Rightarrow 6172 - 3269 = 2903$

(iii) $5001003 - **6987 = 484****$

$$\begin{array}{r} 5001003 \\ - **6987 \\ \hline 484**** \end{array} \Rightarrow \begin{array}{r} 5001003 \\ - 156987 \\ \hline 4845016 \end{array}$$

$\Rightarrow 5001003 - 155987 = 4845016$

(iv) $1000000 - ****1 = *7042*$

$$\begin{array}{r} 1000000 \\ - ****1 \\ \hline *7042* \end{array} \Rightarrow \begin{array}{r} 1000000 \\ - 29571 \\ \hline 970429 \end{array}$$

$\Rightarrow 1000000 - 29571 = 970429$

Q3

Answer :

$$\begin{aligned} & \text{(i) } 463 - 9 \\ &= 463 - 10 + 1 \\ &= 464 - 10 \\ &= 454 \end{aligned}$$

$$\begin{aligned} & \text{(ii) } 5632 - 99 \\ &= 5632 - 100 + 1 \\ &= 5633 - 100 \\ &= 5533 \end{aligned}$$

$$\begin{aligned} & \text{(iii) } 8640 - 999 \\ &= 8640 - 1000 + 1 \\ &= 8641 - 1000 \\ &= 7641 \end{aligned}$$

$$\begin{aligned} & \text{(iv) } 13006 - 9999 \\ &= 13006 - 10000 + 1 \\ &= 13007 - 10000 \end{aligned}$$

$$= 3007$$

Q4

Answer :

Smallest seven-digit number = 1000000

Largest four-digit number = 9999

∴ Their difference = 1000000 – 9999

$$= 1000000 - 10000 + 1$$

$$= 1000001 - 10000$$

$$= 990001$$

***** END *****