

# St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi -110092 Session: 2023-2024

**Class: IV**

**Subject: Mathematics**

**Topic: Unit -3 Addition and subtraction**

Questions to be done- Warm up points

Ex-3A Q.1

2. a,d

3. a,c

4. a,b

Properties of Addition (pg42,43) Ex-3B. Q-1 a,c,e,g

Q.2 a,c Ex-3C Q.1

Q.2 a,d

Q.3 a,c Q.4,5,6

Properties of subtraction (pg-47) Ex-3D

Ex-3E Q.2,4,6,9,11,12 Ex-3F Q.1 a,c

Q.2 a,c

Q.3 a,c

## Chapter 3: Addition and Subtraction

### Exercise 3A

1. (a) 
$$\begin{array}{r} \text{TTh Th H T O} \\ 23475 \\ + 12324 \\ \hline 35799 \end{array}$$

(b) 
$$\begin{array}{r} \text{TTh Th H T O} \\ 68024 \\ + 21734 \\ \hline 89758 \end{array}$$

(c) 
$$\begin{array}{r} \text{TTh Th H T O} \\ 32890 \\ + 43106 \\ \hline 75996 \end{array}$$

(d) 
$$\begin{array}{r} \text{TL L TTh Th H T O} \\ 3845682 \\ + 240315 \\ \hline 4085997 \end{array}$$

(e) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 142836 \\ + 282304 \\ \hline 425140 \end{array}$$

(f) 
$$\begin{array}{r} \text{TTh Th H T O} \\ 24801 \\ 3604 \\ + 12892 \\ \hline 41297 \end{array}$$

(g) 
$$\begin{array}{r} \text{TTh Th H T O} \\ 58672 \\ 1036 \\ + 22524 \\ \hline 82232 \end{array}$$

(h) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 123456 \\ 543261 \\ + 51234 \\ \hline 717951 \end{array}$$

(i) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 162198 \\ 214804 \\ 125682 \\ + 201384 \\ \hline 704068 \end{array}$$

2. (a) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 63417 \\ 98001 \\ + 23495 \\ \hline 184913 \end{array}$$

(b) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 322478 \\ 13980 \\ + 624717 \\ \hline 961175 \end{array}$$

(c) 
$$\begin{array}{r} \text{L TTh Th H T O} \\ 123456 \\ 28497 \\ + 930 \\ \hline 152883 \end{array}$$

(d) 
$$\begin{array}{r} \text{TL L TTh Th H T O} \\ 1875 \\ 6234 \\ 9091 \\ + 2348176 \\ \hline 2365376 \end{array}$$

$$\begin{array}{r} 3. \text{ (a)} \quad 56,954 \\ + 10,000 \\ \hline \underline{66,954} \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 15,000 \\ + 3,608 \\ \hline \underline{18,608} \end{array}$$

$$\begin{array}{r} \text{(c)} \quad 98,505 \\ + 12,396 \\ \hline \underline{110,901} \end{array}$$

$$\begin{array}{r} 4. \text{ (a)} \quad \boxed{1}412\boxed{5} \\ + 62\boxed{8}14 \\ \hline \underline{7\boxed{6}9\boxed{3}9} \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 7\boxed{3}489\boxed{1} \\ + \boxed{1}5\boxed{5}\boxed{1}05 \\ \hline \underline{8899\boxed{9}6} \end{array}$$

### Exercise 3B

1. (a) 356289                      (b) 358947                      (c) 564556  
(d) 63888                          (e) 636494  
(f)  $4153 + 2675 = 2675 + 4153$                       (g)  $0 + 75757 = 75757$   
(h)  $2696 + 3901 = 2696 + 3901$

2. (a) Arranging in columns, we get

$$\begin{array}{r} 33560 \\ + 678336 \\ \hline 711896 \end{array} \quad \text{and} \quad \begin{array}{r} 678336 \\ + 33560 \\ \hline 711896 \end{array}$$

Thus, the sum of both the pairs remains same, if we change order of the numbers.

- (b) Arranging in columns, we get

$$\begin{array}{r} 957688 \\ + 348964 \\ \hline 1306652 \end{array} \quad \text{and} \quad \begin{array}{r} 348964 \\ + 957688 \\ \hline 1306652 \end{array}$$

Thus, the sum of both the pairs remains same, if we change order of the numbers.

- (c) Arranging in columns, we get

$$\begin{array}{r} 657678 \\ 78689 \\ + 34356 \\ \hline 770723 \end{array} \quad \text{and} \quad \begin{array}{r} 78689 \\ 657678 \\ + 34356 \\ \hline 770723 \end{array}$$

Thus, the sum of both the pairs remains same, if we change order of the numbers.

**Exercise 3C**

$$\begin{array}{r}
 \text{1. (a) } \begin{array}{r} \text{TThThH T O} \\ 81249 \\ -20137 \\ \hline 61112 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b) } \begin{array}{r} \text{TThThH T O} \\ 24682 \\ -13471 \\ \hline 11211 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c) } \begin{array}{r} \text{LTThThH T O} \\ 957348 \\ -326217 \\ \hline 631131 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(d) } \begin{array}{r} \text{LTThThH T O} \\ 708564 \\ -602321 \\ \hline 106243 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(e) } \begin{array}{r} \text{LTThThH T O} \\ 351700 \\ -6248 \\ \hline 345452 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(f) } \begin{array}{r} \text{LTThThH T O} \\ 432170 \\ -342819 \\ \hline 89351 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{2. (a) } \begin{array}{r} \text{L TThThH T O} \\ 984715 \\ - \quad 6280 \\ \hline 978435 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b) } \begin{array}{r} \text{TL L TThThH T O} \\ 9898324 \\ - \quad 232374 \\ \hline 9665950 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c) } \begin{array}{r} \text{L TThThH T O} \\ 502501 \\ - \quad 980 \\ \hline 501521 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(d) } \begin{array}{r} \text{L TThThH T O} \\ 600000 \\ - \quad 68329 \\ \hline 531671 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{3. (a) } \begin{array}{r} \text{TL L TThThH T O} \\ 1046302 \\ -563008 \\ \hline 483294 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b) } \begin{array}{r} \text{TThThH T O} \\ 68321 \\ -39634 \\ \hline 28687 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(c) } \begin{array}{r} \text{L TThThH T O} \\ 500000 \\ - \quad 98421 \\ \hline 401579 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{4. } \begin{array}{r} 216576 \\ +96824 \\ \hline 313400 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{5. } \begin{array}{r} 966058 \\ -643849 \\ \hline 322209 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{6. (a) } \begin{array}{r} 86156 \\ -2\boxed{4}0\boxed{3}6 \\ \hline 6212\boxed{0} \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b) } \begin{array}{r} \boxed{8}9547 \\ -674\boxed{3}6 \\ \hline 2\boxed{2}11\boxed{1} \end{array}
 \end{array}$$

### Exercise 3D

1. (a) 48579                      (b) 57670                      (c) 58500  
(d) 864456                      (e) 0                              (f) 977684
2. (a) 10                      (b) 1                      (c) 0                      (d) 1000                      (e) 10
3. 
$$\begin{array}{r} 9999 \\ - \quad 1 \\ \hline 9998 \end{array}$$
4. 
$$\begin{array}{r} 4528 \\ - \quad 1 \\ \hline 4527 \end{array}$$

### Exercise 3E

2. Total TV sets made in the year 2013 = 287560  
TV sets made in December = -7832  
Number of TV sets made till November = 279728

4. 
$$\begin{array}{r} 500000 \\ -26793 \\ \hline 473207 \end{array}$$
 So, the population of town = 473207.

6. 
$$\begin{array}{r} 45385 \\ +82355 \\ \hline \text{Sum} = 1,27,740 \end{array}$$
 
$$\begin{array}{r} 1,33,671 \\ -1,27,740 \\ \hline 5,931 \end{array}$$
 So, the required answer = 5,931

9. Number of votes received by 1 <sup>st</sup> candidate	=	89278
Number of votes received by 2 <sup>nd</sup> candidate	=	34967
Number of votes received by 3 <sup>rd</sup> candidate	=	8247
Number of votes received by 4 <sup>th</sup> candidate	=	976
Number of invalid votes	=	<u>+1984</u>
Total number of votes cast	=	<u>135452</u>

10. Price of a car	=	₹ 486798
Price of a van	=	<u>- ₹ 300980</u>
Thus, car costs more by amount	=	<u>₹ 1,85,818</u>

11. Length of cable used: 9845 m and 7834 m.

$$\begin{array}{r} 9845 \text{ m} \\ +7834 \text{ m} \\ \hline 17679 \text{ m} \end{array}$$

Thus, total length of cable used = 17,679

Total length of cable	=	40000 m
Length of cable used	=	<u>- 17679 m</u>
So, remaining length of cable	=	<u>22321 m</u>

12. Quantity of milk supplied to 1<sup>st</sup> town = 34890 litres  
 Quantity of milk supplied to 2<sup>nd</sup> town = +14785 litres  
 Total quantity of milk supplied = 49675 litres
- Total quantity of milk produced by dairy = 83500 litres  
 Total quantity of milk supplied = -49675 litres  
 Remaining quantity of milk = 33825 litres

### Exercise 3F

1. (a)  $750 - 170 \Rightarrow$ 

$$\begin{array}{r} 750 \\ -170 \\ \hline 580 \end{array}$$
 (b)  $440 - 290 \Rightarrow$ 

$$\begin{array}{r} 440 \\ -290 \\ \hline 150 \end{array}$$

(c)  $350 + 470 \Rightarrow$ 

$$\begin{array}{r} 350 \\ +470 \\ \hline 820 \end{array}$$

2. (a)  $1800 - 700 \Rightarrow$ 

$$\begin{array}{r} 1800 \\ -700 \\ \hline 1100 \end{array}$$
 (b)  $10100 + 39300 \Rightarrow$ 

$$\begin{array}{r} 10100 \\ +39300 \\ \hline 49400 \end{array}$$

(c)  $24400 - 6200 \Rightarrow$ 

$$\begin{array}{r} 24400 \\ -6200 \\ \hline 18200 \end{array}$$

3. (a)  $56000 - 39000 \Rightarrow$ 

$$\begin{array}{r} 56000 \\ -39000 \\ \hline 17000 \end{array}$$

(b)  $3000 + 4000 \Rightarrow$ 

$$\begin{array}{r} 3000 \\ +4000 \\ \hline 7000 \end{array}$$
 (c)  $35000 - 17000 \Rightarrow$ 

$$\begin{array}{r} 35000 \\ -17000 \\ \hline 18000 \end{array}$$