

ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,
I.P. Extension, Patparganj, Delhi-110092

Session - 2025 - 2026

Class: IV

Subject: Mathematics

Topic: Unit -2 (Addition and Subtraction)

Questions to be done-

Warm up

Ex-1 Q.1 (Book) Q.2 (a,c)(Notebook)

Q.3 (a) (Notebook)

Ex -2 Q.1,Q.2 (b) (Book)

Q.3 (a,d) (Notebook)

Properties of addition

Ex -3 (Book)

Ex -4 Q.1 (Book) Q.2 (a,c) (Homework), Q.3 (a,c) (Notebook)

Ex -5 Q.1, Q.2 (Book), Q.3 (b,c) (Notebook)

Ex -6 Q.1, Q.3 (Notebook)

Properties of Subtraction

Ex -7 (Book)

Ex -8 Q.1 (b,d) (Notebook), Q.2(a) (Notebook)

Ex -9 Q.1 (a,c) (Notebook), Q.2(b,c) (Notebook), Q.3(a,d) (Notebook), Q.4(Homework)

Lesson-2 : Addition and Subtraction

Warm Up

 $\begin{array}{r} 3120 \\ + 2100 \\ \hline 5220 \end{array}$	5320	$\begin{array}{r} 4100 \\ + 200 \\ \hline 4300 \end{array}$	3820	$\begin{array}{r} 2720 \\ + 1100 \\ \hline 3820 \end{array}$	9210	$\begin{array}{r} 4210 \\ + 5000 \\ \hline 9210 \end{array}$
$\begin{array}{r} 5220 \\ \hline 6400 \\ - 400 \\ \hline 6000 \end{array}$	6800	$\begin{array}{r} 5432 \\ - 5000 \\ \hline 432 \end{array}$	432	$\begin{array}{r} 9835 \\ - 1789 \\ \hline 8046 \end{array}$	8046	$\begin{array}{r} 8137 \\ + 1315 \\ \hline 9452 \end{array}$
$\begin{array}{r} 6000 \\ \hline 9890 \\ - 10 \\ \hline 9880 \end{array}$	9880	$\begin{array}{r} 678 \\ \hline 1240 \\ + 1530 \\ \hline 2770 \end{array}$	2770	$\begin{array}{r} 5287 \\ \hline 3125 \\ - 2162 \\ \hline 963 \end{array}$	963	 Check point

Exercise-1

1. (a) (ii) Total number of eggs sold
 $= 32,735 + 35,024$
 $= 67,759$

$$\begin{array}{r} 32735 \\ + 35024 \\ \hline 67759 \end{array}$$

- (b) (i) Required number $= 8,76,543 + 12,345$
 $= 8,88,888$

$$\begin{array}{r} 876543 \\ + 12345 \\ \hline 888888 \end{array}$$

2. (a) $40,718 + 57,161 = 97,879$

$$\begin{array}{r} 40718 \\ + 57161 \\ \hline 97879 \end{array}$$

- (b) $72,354 + 13,215 = 85,569$

$$\begin{array}{r} 72354 \\ + 13215 \\ \hline 85569 \end{array}$$

- (c) $2,40,125 + 3,47,521 = 5,87,646$

$$\begin{array}{r} 240125 \\ + 347521 \\ \hline 587646 \end{array}$$

3. (a)
$$\begin{array}{r} 33021 \\ + 23568 \\ \hline 56589 \end{array}$$

- (b)
$$\begin{array}{r} 654321 \\ + 123456 \\ \hline 777777 \end{array}$$

Exercise-2

1. (a) (iii) Total population of the town

= Number of males + Number of females

$$= 2,34,786 + 1,93,877$$

$$= 4,28,663$$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \textcircled{1} \textcircled{1} \\ 2 \ 3 \ 4 \ 7 \ 8 \ 6 \\ + 1 \ 9 \ 3 \ 8 \ 7 \ 7 \\ \hline 4 \ 2 \ 8 \ 6 \ 6 \ 3 \end{array}$$

- (b) (ii) Total number of locks manufactured

$$= 52,584 + 37,846$$

$$= 90,430$$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 5 \ 2 \ 5 \ 8 \ 4 \\ + 3 \ 7 \ 8 \ 4 \ 6 \\ \hline 9 \ 0 \ 4 \ 3 \ 0 \end{array}$$

2. (a)

$$\begin{array}{r} \textcircled{1} \\ 5 \ 2 \ 7 \ 6 \ 8 \\ + 1 \ 6 \ 7 \ 2 \ 0 \\ \hline 6 \ 9 \ 4 \ 8 \ 8 \end{array}$$

- (b)

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \textcircled{1} \textcircled{1} \\ 5 \ 3 \ 1 \ 7 \ 8 \ 6 \\ + 1 \ 7 \ 3 \ 4 \ 3 \ 8 \\ \hline 7 \ 0 \ 5 \ 2 \ 2 \ 4 \end{array}$$

3. (a) $54,324 + 21,746 = 76,070$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 5 \ 4 \ 3 \ 2 \ 4 \\ + 2 \ 1 \ 7 \ 4 \ 6 \\ \hline 7 \ 6 \ 0 \ 7 \ 0 \end{array}$$

- (b) $15,427 + 67,553 = 82,980$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 1 \ 5 \ 4 \ 2 \ 7 \\ + 6 \ 7 \ 5 \ 5 \ 3 \\ \hline 8 \ 2 \ 9 \ 8 \ 0 \end{array}$$

- (c) $6,52,813 + 2,67,245 = 9,20,058$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \\ 6 \ 5 \ 2 \ 8 \ 1 \ 3 \\ + 2 \ 6 \ 7 \ 2 \ 4 \ 5 \\ \hline 9 \ 2 \ 0 \ 0 \ 5 \ 8 \end{array}$$

- (d) $5,12,345 + 2,37,659 = 7,50,004$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 5 \ 1 \ 2 \ 3 \ 4 \ 5 \\ + 2 \ 3 \ 7 \ 6 \ 5 \ 9 \\ \hline 7 \ 5 \ 0 \ 0 \ 0 \ 4 \end{array}$$

Exercise-3

1. 0 2. 21347 3. 53476 4. 1 5. 14357 6. 35458 7. 234567

Exercise-4

1. (a) (ii) Number of words left to be read = $88,728 - 37,417 = 51,311$

$$\begin{array}{r} 88728 \\ - 37417 \\ \hline 51311 \end{array}$$

- (b) (iii) Amount of money left in account

$$\begin{aligned} &= ₹ 8,28,050 - ₹ 4,17,050 \\ &= ₹ 4,11,000 \end{aligned}$$

$$\begin{array}{r} 828050 \\ - 417050 \\ \hline 411000 \end{array}$$

2. (a)
$$\begin{array}{r} 57913 \\ - 24601 \\ \hline 33312 \end{array}$$

(c)
$$\begin{array}{r} 678439 \\ - 467123 \\ \hline 211316 \end{array}$$

3. (a)
$$\begin{array}{r} 74156 \\ - 32034 \\ \hline 42122 \end{array}$$

(c)
$$\begin{array}{r} 189765 \\ - 123654 \\ \hline 66111 \end{array}$$

(b)
$$\begin{array}{r} 77777 \\ - 42424 \\ \hline 35353 \end{array}$$

(d)
$$\begin{array}{r} 954210 \\ - 913000 \\ \hline 41210 \end{array}$$

(b)
$$\begin{array}{r} 89320 \\ - 68110 \\ \hline 21210 \end{array}$$

(d)
$$\begin{array}{r} 989989 \\ - 121142 \\ \hline 868847 \end{array}$$

Exercise-5

1. (a) (iii) The smallest 6-digit number = 100000
 The greatest 5-digit number = 99999
 Required difference = $100000 - 99999 = 1$

$$\begin{array}{r} \textcircled{0} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{10} \\ \cancel{1} \cancel{0} \cancel{0} \cancel{0} \cancel{0} \cancel{0} \\ - 9 \ 9 \ 9 \ 9 \ 9 \\ \hline 0 \ 0 \ 0 \ 0 \ 1 \end{array}$$

- (b) (i) Number of students failed
 $= 1,45,280 - 1,28,425 = 16,855$

$$\begin{array}{r} \textcircled{3} \textcircled{14} \textcircled{12} \textcircled{7} \textcircled{10} \\ 1 \ \cancel{4} \ \cancel{5} \ \cancel{2} \ \cancel{8} \ \cancel{0} \\ - 1 \ 2 \ 8 \ 4 \ 2 \ 5 \\ \hline 1 \ 6 \ 8 \ 5 \ 5 \end{array}$$

2. (a) $\begin{array}{r} \textcircled{5} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{10} \\ \cancel{6} \ \cancel{0} \ \cancel{0} \ \cancel{0} \ \cancel{0} \\ - 4 \ 5 \ 4 \ 5 \ 4 \\ \hline 1 \ 4 \ 5 \ 4 \ 6 \end{array}$

(b) $\begin{array}{r} \textcircled{3} \textcircled{12} \textcircled{11} \textcircled{10} \textcircled{10} \\ \cancel{4} \ \cancel{3} \ \cancel{2} \ \cancel{1} \ \cancel{0} \\ - 3 \ 9 \ 8 \ 7 \ 3 \\ \hline 3 \ 3 \ 3 \ 7 \end{array}$

(c) $\begin{array}{r} \textcircled{4} \textcircled{18} \textcircled{11} \textcircled{10} \textcircled{13} \\ \cancel{5} \ \cancel{9} \ \cancel{2} \ \cancel{1} \ \cancel{3} \\ - 2 \ 9 \ 9 \ 9 \ 9 \\ \hline 2 \ 9 \ 2 \ 1 \ 4 \end{array}$

(d) $\begin{array}{r} \textcircled{6} \textcircled{18} \textcircled{11} \textcircled{8} \textcircled{13} \textcircled{11} \\ \cancel{7} \ \cancel{8} \ \cancel{1} \ \cancel{9} \ \cancel{4} \ \cancel{1} \\ - 2 \ 9 \ 7 \ 3 \ 7 \ 2 \\ \hline 4 \ 8 \ 4 \ 5 \ 6 \ 9 \end{array}$

(e) $\begin{array}{r} \textcircled{4} \textcircled{12} \textcircled{12} \quad \textcircled{3} \textcircled{10} \\ \cancel{5} \ \cancel{3} \ \cancel{2} \ 6 \ \cancel{4} \ \cancel{0} \\ - 2 \ 7 \ 5 \ 3 \ 2 \ 4 \\ \hline 2 \ 5 \ 7 \ 3 \ 1 \ 6 \end{array}$

(f) $\begin{array}{r} \textcircled{3} \textcircled{13} \quad \textcircled{6} \textcircled{12} \\ 6 \ \cancel{4} \ \cancel{3} \ 6 \ \cancel{7} \ \cancel{2} \\ - 3 \ 1 \ 9 \ 5 \ 1 \ 7 \\ \hline 3 \ 2 \ 4 \ 1 \ 5 \ 5 \end{array}$

3. (a) $68,143 - 59,981 = 8162$

$$\begin{array}{r} \textcircled{5} \textcircled{17} \textcircled{10} \textcircled{14} \\ \cancel{6} \ \cancel{8} \ \cancel{1} \ \cancel{4} \ 3 \\ - 5 \ 9 \ 9 \ 8 \ 1 \\ \hline 8 \ 1 \ 6 \ 2 \end{array}$$

- (b) $83,210 - 79,921 = 3289$

$$\begin{array}{r} \textcircled{7} \textcircled{12} \textcircled{11} \textcircled{10} \textcircled{10} \\ \cancel{8} \ \cancel{3} \ \cancel{2} \ \cancel{1} \ \cancel{0} \\ - 7 \ 9 \ 9 \ 2 \ 1 \\ \hline 3 \ 2 \ 8 \ 9 \end{array}$$

- (c) $4,83,695 - 2,77,898 = 2,05,797$

$$\begin{array}{r} \textcircled{7} \textcircled{12} \textcircled{15} \textcircled{18} \textcircled{15} \\ 4 \ \cancel{8} \ \cancel{3} \ \cancel{6} \ \cancel{9} \ \cancel{5} \\ - 2 \ 7 \ 7 \ 8 \ 9 \ 8 \\ \hline 2 \ 0 \ 5 \ 7 \ 9 \ 7 \end{array}$$

- (d) $7,14,345 - 5,37,705 = 1,76,640$

$$\begin{array}{r} \textcircled{6} \textcircled{10} \textcircled{13} \textcircled{13} \\ \cancel{7} \ \cancel{1} \ \cancel{4} \ \cancel{3} \ 4 \ 5 \\ - 5 \ 3 \ 7 \ 7 \ 0 \ 5 \\ \hline 1 \ 7 \ 6 \ 6 \ 4 \ 0 \end{array}$$

Exercise-6

1.

Checking:

$$\begin{array}{r} \textcircled{1} \\ 1\ 5\ 4\ 3\ 2 \\ + 1\ 6\ 3\ 1\ 4 \\ \hline 3\ 1\ 7\ 4\ 6 \end{array}$$

$$\begin{array}{r} \textcircled{2}\ \textcircled{11} \\ \cancel{3}\ \cancel{1}\ 7\ 4\ 6 \\ - 1\ 5\ 4\ 3\ 2 \\ \hline 1\ 6\ 3\ 1\ 4 \end{array} \text{ or}$$

$$\begin{array}{r} \textcircled{2}\ \textcircled{11} \\ \cancel{3}\ \cancel{1}\ 7\ 4\ 6 \\ - 1\ 6\ 3\ 1\ 4 \\ \hline 1\ 5\ 4\ 3\ 2 \end{array}$$

2.

Checking:

$$\begin{array}{r} \textcircled{1}\textcircled{1}\ \textcircled{1}\ \textcircled{1} \\ 8\ 9\ 6\ 4\ 3 \\ + 5\ 4\ 3\ 9\ 2 \\ \hline 14\ 4\ 0\ 3\ 5 \end{array}$$

$$\begin{array}{r} \textcircled{0}\textcircled{13}\ \textcircled{13}\ \textcircled{9}\ \textcircled{13} \\ \cancel{1}\cancel{4}\ \cancel{4}\ \cancel{0}\ \cancel{3}\ 5 \\ - 5\ 4\ 3\ 9\ 2 \\ \hline 8\ 9\ 6\ 4\ 3 \end{array} \text{ or}$$

$$\begin{array}{r} \textcircled{0}\textcircled{13}\ \textcircled{13}\ \textcircled{9}\ \textcircled{13} \\ \cancel{1}\cancel{4}\ \cancel{4}\ \cancel{0}\ \cancel{3}\ 5 \\ - 8\ 9\ 6\ 4\ 3 \\ \hline 5\ 4\ 3\ 9\ 2 \end{array}$$

3.

Checking:

$$\begin{array}{r} \textcircled{5}\ \textcircled{16}\ \textcircled{13}\ \textcircled{13} \\ \cancel{6}\ \cancel{7}\ \cancel{4}\ \cancel{3}\ 1 \\ - 5\ 9\ 9\ 8\ 1 \\ \hline 7\ 4\ 5\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{1}\ \textcircled{1}\ \textcircled{1} \\ 7\ 4\ 5\ 0 \\ + 5\ 9\ 9\ 8\ 1 \\ \hline 6\ 7\ 4\ 3\ 1 \end{array}$$

Exercise-7

1. 28,172

2. 72,998

3. 1

4. 0

Exercise-8

1. (a) $2,51,743 + 6,21,301 - 1,19,254 = 7,53,790$

①		⑥ ⑫ ⑨ ⑭
2 5 1 7 4 3		8 7 3 0 4 4
+ 6 2 1 3 0 1		- 1 1 9 2 5 4
8 7 3 0 4 4		7 5 3 7 9 0

(b) $3,00,192 + 4,32,170 - 2,99,429 = 4,32,933$

①		⑥ ⑫ ⑪ ⑬ ⑤ ⑫
3 0 0 1 9 2		7 3 2 3 6 2
+ 4 3 2 1 7 0		- 2 9 9 4 2 9
7 3 2 3 6 2		4 3 2 9 3 3

(c) $9,99,999 - 3,33,333 + 2,22,222 = 8,88,888$

9 9 9 9 9 9		6 6 6 6 6 6
- 3 3 3 3 3 3		+ 2 2 2 2 2 2
6 6 6 6 6 6		8 8 8 8 8 8

(d) $5,29,516 - 1,02,053 + 25,970 - 18,325 = 4,35,108$

④ ⑪		① ① ①		④ ⑬ ② ⑬
5 2 9 5 1 6		4 2 7 4 6 3		4 3 3 4 3 3
- 1 0 2 0 5 3		+ 2 5 9 7 0		- 1 8 3 2 5
4 2 7 4 6 3		4 5 3 4 3 3		4 3 5 1 0 8

2. (a) $5,45,327 + 3,25,173 - 2,20,154 - 9,999 + 1,001 = 6,41,348$

① ① ①		④ ⑨ ⑩
5 4 5 3 2 7		8 7 0 3 3 3
+ 3 2 5 1 7 3		- 2 2 0 1 5 4
8 7 0 5 0 0		6 5 0 3 4 6
④ ⑨ ⑫ ⑬ ⑮		
6 3 3 3 3 3		6 4 0 3 4 7
- 9 9 9 9		+ 1 0 0 1
6 4 0 3 4 7		6 4 1 3 4 8

(b) $7,47,879 - 3,48,080 + 4,11,135 - 78,891 + 121 = 7,32,164$

⑥ ⑬ ⑮ ⑦ ⑮		① ① ① ①
7 4 7 8 7 9		3 9 9 7 9 9
- 3 4 8 0 8 0		+ 4 1 1 1 3 5
3 9 9 7 9 9		8 1 0 9 3 4
⑦ ⑩ ⑩ ⑧ ⑬		
8 3 8 8 4		7 3 2 0 4 3
- 7 8 8 9 1		+ 1 2 1
7 3 2 0 4 3		7 3 2 1 6 4

Exercise-9

1. (a) 45 rounded off to the nearest tens = 50
56 rounded off to the nearest tens = 60
Estimated sum = $50 + 60 = 110$

$$\begin{array}{r} \textcircled{1} \\ 50 \\ + 60 \\ \hline 110 \end{array}$$
- (b) 635 rounded off to the nearest tens = 640
425 rounded off to the nearest tens = 430
Estimated sum = $640 + 430 = 1070$

$$\begin{array}{r} \textcircled{1} \\ 640 \\ + 430 \\ \hline 1070 \end{array}$$
- (c) 486 rounded off to the nearest tens = 490
36 rounded off to the nearest tens = 40
Estimated sum = $490 + 40 = 530$

$$\begin{array}{r} \textcircled{1} \\ 490 \\ + 40 \\ \hline 530 \end{array}$$
2. (a) 982 rounded off to the nearest hundreds = 1000
848 rounded off to the nearest hundreds = 800
Estimated sum = $1000 + 800 = 1800$

$$\begin{array}{r} 1000 \\ + 800 \\ \hline 1800 \end{array}$$
- (b) 4320 rounded off to the nearest hundreds = 4300
4175 rounded off to the nearest hundreds = 4200
Estimated sum = $4300 + 4200 = 8500$

$$\begin{array}{r} 4300 \\ + 4200 \\ \hline 8500 \end{array}$$
- (c) 3557 rounded off to the nearest hundreds = 3600
2598 rounded off to the nearest hundreds = 2600
Estimated sum = $3600 + 2600 = 6200$

$$\begin{array}{r} \textcircled{1} \\ 3600 \\ + 2600 \\ \hline 6200 \end{array}$$
3. (a) 92 rounded off to the nearest tens = 90
48 rounded off to the nearest tens = 50
Estimated difference = $90 - 50 = 40$

$$\begin{array}{r} 90 \\ - 50 \\ \hline 40 \end{array}$$
- (b) 735 rounded off to the nearest tens = 740
525 rounded off to the nearest tens = 530
Estimated difference = $740 - 530 = 210$

$$\begin{array}{r} 740 \\ - 530 \\ \hline 210 \end{array}$$
- (c) 786 rounded off to the nearest tens = 790
56 rounded off to the nearest tens = 60
Estimated difference = $790 - 60 = 730$

$$\begin{array}{r} 790 \\ - 60 \\ \hline 730 \end{array}$$
4. (a) 872 rounded off to the nearest hundreds = 900
810 rounded off to the nearest hundreds = 800
Estimated difference = $900 - 800 = 100$

$$\begin{array}{r} 900 \\ - 800 \\ \hline 100 \end{array}$$

-
- (b) 5434 rounded off to the nearest hundreds = 5400
3279 rounded off to the nearest hundreds = 3300
Estimated difference = $5400 - 3300 = 2100$

$$\begin{array}{r} 5400 \\ - 3300 \\ \hline 2100 \end{array}$$
 - (c) 2598 rounded off to the nearest hundreds = 2600
1741 rounded off to the nearest hundreds = 1700
Estimated difference = $2600 - 1700 = 900$

$$\begin{array}{r} \textcircled{1} \textcircled{16} \\ 2600 \\ - 1700 \\ \hline 900 \end{array}$$