St. Andrews Scots Sr. Sec. School

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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

3 1 2 0 + 2 1 0 0 5 2 2 0	4 1 0 0 + 2 0 0 4 3 0 0	2 7 2 0 + 1 1 0 0 3 8 2 0	4 2 1 0 + 5 0 0 0 9 2 1 0

5320 · 3820 · 9210

5220 · 4300 · 2820 · 9310

6 4 0 0 − 4 0 0 6 0 0 0	5 4 3 2 − 5 0 0 0 4 3 2	9 8 3 5 − 1 7 8 9 8 0 4 6	8 1 3 7 + 1 3 1 5 9 4 5 2

6800 · 432 · 8046

6000 · 678 · 5287 · 9452

9 8 9 0 − 1 0 9 8 8 0	1 2 4 0 + 1 5 3 0 2 7 7 0	3 1 2 5 − 2 1 6 2 9 6 3	**Check point**

9880 · 2770 · 963

Exercise-1

1. **(a)** **(ii)** Total number of eggs sold

   $$= 32{,}735 + 35{,}024$$
   $$= 67{,}759$$

   ```
     3 2 7 3 5
   + 3 5 0 2 4
     6 7 7 5 9
   ```

   (b) **(i)** Required number $= 8{,}76{,}543 + 12{,}345$

   $$= 8{,}88{,}888$$

   ```
     8 7 6 5 4 3
   +   1 2 3 4 5
     8 8 8 8 8 8
   ```

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

   ```
     4 0 7 1 8
   + 5 7 1 6 1
     9 7 8 7 9
   ```

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

   ```
     7 2 3 5 4
   + 1 3 2 1 5
     8 5 5 6 9
   ```

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

   ```
     2 4 0 1 2 5
   + 3 4 7 5 2 1
     5 8 7 6 4 6
   ```

3. **(a)**
   ```
     3 3 0 2 1
   + 2 3 5 6 8
     5 6 5 8 9
   ```

   (b)
   ```
     6 5 4 3 2 1
   + 1 2 3 4 5 6
     7 7 7 7 7 7
   ```

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

$$\begin{array}{r} ① \;\; ①①① \\ 2\;3\;4\;7\;8\;6 \\ +\;1\;9\;3\;8\;7\;7 \\ \hline 4\;2\;8\;6\;6\;3 \end{array}$$

(b) (ii) Total number of locks manufactured

= 52,584 + 37,846

= 90,430

$$\begin{array}{r} ①①①① \\ 5\;2\;5\;8\;4 \\ +\;3\;7\;8\;4\;6 \\ \hline 9\;0\;4\;3\;0 \end{array}$$

2. (a)
$$\begin{array}{r} ① \\ 5\;2\;7\;6\;8 \\ +\;1\;6\;7\;2\;0 \\ \hline 6\;9\;4\;8\;8 \end{array}$$

(b)
$$\begin{array}{r} ① \;\; ①①① \\ 5\;3\;1\;7\;8\;6 \\ +\;1\;7\;3\;4\;3\;8 \\ \hline 7\;0\;5\;2\;2\;4 \end{array}$$

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

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

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

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

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

$$\begin{array}{r} ①①① \\ 6\;5\;2\;8\;1\;3 \\ +\;2\;6\;7\;2\;4\;5 \\ \hline 9\;2\;0\;0\;5\;8 \end{array}$$

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

$$\begin{array}{r} ①①①① \\ 5\;1\;2\;3\;4\;5 \\ +\;2\;3\;7\;6\;5\;9 \\ \hline 7\;5\;0\;0\;0\;4 \end{array}$$

Exercise-3

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

Exercise-4

Exercise-4

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

$$
\begin{array}{r}
8\;8\;7\;2\;8 \\
-\;3\;7\;4\;1\;7 \\
\hline
5\;1\;3\;1\;1 \\
\hline
\end{array}
$$

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

$$= ₹\,8,28,050 - ₹\,4,17,050$$

$$= ₹\,4,11,000$$

$$
\begin{array}{r}
8\;2\;8\;0\;5\;0 \\
-\;4\;1\;7\;0\;5\;0 \\
\hline
4\;1\;1\;0\;0\;0 \\
\hline
\end{array}
$$

2. (a)
$$
\begin{array}{r}
5\;7\;9\;1\;3 \\
-\;2\;4\;6\;0\;1 \\
\hline
3\;3\;3\;1\;2 \\
\hline
\end{array}
$$

(b)
$$
\begin{array}{r}
7\;7\;7\;7\;7 \\
-\;4\;2\;4\;2\;4 \\
\hline
3\;5\;3\;5\;3 \\
\hline
\end{array}
$$

(c)
$$
\begin{array}{r}
6\;7\;8\;4\;3\;9 \\
-\;4\;6\;7\;1\;2\;3 \\
\hline
2\;1\;1\;3\;1\;6 \\
\hline
\end{array}
$$

(d)
$$
\begin{array}{r}
9\;5\;4\;2\;1\;0 \\
-\;9\;1\;3\;0\;0\;0 \\
\hline
4\;1\;2\;1\;0 \\
\hline
\end{array}
$$

3. (a)
$$
\begin{array}{r}
7\;4\;1\;5\;6 \\
-\;3\;2\;0\;3\;4 \\
\hline
4\;2\;1\;2\;2 \\
\hline
\end{array}
$$

(b)
$$
\begin{array}{r}
8\;9\;3\;2\;0 \\
-\;6\;8\;1\;1\;0 \\
\hline
2\;1\;2\;1\;0 \\
\hline
\end{array}
$$

(c)
$$
\begin{array}{r}
1\;8\;9\;7\;6\;5 \\
-\;1\;2\;3\;6\;5\;4 \\
\hline
6\;6\;1\;1\;1 \\
\hline
\end{array}
$$

(d)
$$
\begin{array}{r}
9\;8\;9\;9\;8\;9 \\
-\;1\;2\;1\;1\;4\;2 \\
\hline
8\;6\;8\;8\;4\;7 \\
\hline
\end{array}
$$

Exercise-5

1. (a) (iii) The smallest 6-digit number = 100000

The greatest 5-digit number = 99999

Required difference = 100000 − 99999 = 1

$$
\begin{array}{r}
⓪⑨\ ⑨\ ⑨\ ⑨⑩ \\
\cancel{1}\,\cancel{0}\ \cancel{0}\ \cancel{0}\ \cancel{0}\ \cancel{0} \\
-\ 9\ \ 9\ \ 9\ \ 9\ \ 9 \\
\hline
0\ \ 0\ \ 0\ \ 0\ \ 1 \\
\hline
\end{array}
$$

(b) (i) Number of students failed

= 1,45,280 − 1,28,425 = 16,855

$$
\begin{array}{r}
③⑭⑫⑦⑩ \\
1\ \cancel{4}\ \cancel{5}\ \cancel{2}\ \cancel{8}\ \cancel{0} \\
-\ 1\ \ 2\ \ 8\ \ 4\ \ 2\ \ 5 \\
\hline
1\ \ 6\ \ 8\ \ 5\ \ 5 \\
\hline
\end{array}
$$

2. (a)
$$
\begin{array}{r}
⑤⑨⑨⑨⑩ \\
\cancel{6}\ \cancel{0}\ \cancel{0}\ \cancel{0}\ \cancel{0} \\
-\ 4\ 5\ 4\ 5\ 4 \\
\hline
1\ 4\ 5\ 4\ 6 \\
\hline
\end{array}
$$

(b)
$$
\begin{array}{r}
③⑫⑪⑩⑩ \\
\cancel{4}\ \cancel{3}\ \cancel{2}\ \cancel{1}\ \cancel{0} \\
-\ 3\ 9\ 8\ 7\ 3 \\
\hline
3\ 3\ 3\ 7 \\
\hline
\end{array}
$$

(c)
$$
\begin{array}{r}
④⑱⑪⑩⑬ \\
\cancel{5}\ \cancel{9}\ \cancel{2}\ \cancel{1}\ \cancel{3} \\
-\ 2\ 9\ 9\ 9\ 9 \\
\hline
2\ 9\ 2\ 1\ 4 \\
\hline
\end{array}
$$

(d)
$$
\begin{array}{r}
⑥⑱⑪⑧⑬⑪ \\
\cancel{7}\ \cancel{8}\ \cancel{1}\ \cancel{9}\ \cancel{4}\ \cancel{1} \\
-\ 2\ 9\ 7\ 3\ 7\ 2 \\
\hline
4\ 8\ 4\ 5\ 6\ 9 \\
\hline
\end{array}
$$

(e)
$$
\begin{array}{r}
④⑫⑫\ \ ③⑩ \\
\cancel{5}\ \cancel{3}\ \cancel{2}\ 6\ \cancel{4}\ \cancel{0} \\
-\ 2\ 7\ 5\ 3\ 2\ 4 \\
\hline
2\ 5\ 7\ 3\ 1\ 6 \\
\hline
\end{array}
$$

(f)
$$
\begin{array}{r}
③⑬\ \ ⑥⑫ \\
6\ \cancel{4}\ \cancel{3}\ 6\ \cancel{7}\ \cancel{2} \\
-\ 3\ 1\ 9\ 5\ 1\ 7 \\
\hline
3\ 2\ 4\ 1\ 5\ 5 \\
\hline
\end{array}
$$

3. (a) 68,143 − 59,981 = 8162

$$
\begin{array}{r}
⑤⑰⑩⑭ \\
\cancel{6}\ \cancel{8}\ \cancel{1}\ \cancel{4}\ 3 \\
-\ 5\ 9\ 9\ 8\ 1 \\
\hline
8\ 1\ 6\ 2 \\
\hline
\end{array}
$$

(b) 83,210 − 79,921 = 3289

$$
\begin{array}{r}
⑦⑫⑪⑩⑩ \\
\cancel{8}\ \cancel{3}\ \cancel{2}\ \cancel{1}\ \cancel{0} \\
-\ 7\ 9\ 9\ 2\ 1 \\
\hline
3\ 2\ 8\ 9 \\
\hline
\end{array}
$$

(c) 4,83,695 − 2,77,898 = 2,05,797

$$
\begin{array}{r}
⑦⑫⑮⑱⑮ \\
4\ \cancel{8}\ \cancel{3}\ \cancel{6}\ \cancel{9}\ \cancel{5} \\
-\ 2\ 7\ 7\ 8\ 9\ 8 \\
\hline
2\ 0\ 5\ 7\ 9\ 7 \\
\hline
\end{array}
$$

(d) 7,14,345 − 5,37,705 = 1,76,640

$$
\begin{array}{r}
⑥⑩⑬⑬ \\
\cancel{7}\ \cancel{1}\ \cancel{4}\ \cancel{3}\ 4\ 5 \\
-\ 5\ 3\ 7\ 7\ 0\ 5 \\
\hline
1\ 7\ 6\ 6\ 4\ 0 \\
\hline
\end{array}
$$

Exercise-6

1.

						Checking :																

```
        ①                      ②①                         ②①
    1  5  4  3  2          ⑧ ⑦ 7  4  6              ⑧ ⑦ 7  4  6
  + 1  6  3  1  4        - 1  5  4  3  2    or     - 1  6  3  1  4
  ─────────────────      ─────────────────        ─────────────────
    3  1  7  4  6          1  6  3  1  4            1  5  4  3  2
```

2.

Checking :

```
  ①① ① ①                ⓪⑬ ⑬ ⑨ ⑬              ⓪⑬ ⑬ ⑨ ⑬
    8  9  6  4  3          ✗ ✗ ✗ ⑩ ✗ 5          ✗ ✗ ✗ ⑩ ✗ 5
  + 5  4  3  9  2        - 5  4  3  9  2   or    - 8  9  6  4  3
  ─────────────────      ─────────────────       ─────────────────
  1 4  4  0  3  5          8  9  6  4  3          5  4  3  9  2
```

3.

Checking :

```
  ⑤ ⑯ ⑬ ⑬               ① ① ①
    ⑥ ⑦ ✗ ⑧ 1           7  4  5  0
  - 5  9  9  8  1      + 5  9  9  8  1
  ─────────────────    ─────────────────
    7  4  5  0           6  7  4  3  1
```

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 ⑪ ⑬⑤ 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) $5,29,516 - 1,02,053 + 25,970 - 18,325 = 4,35,108$

```
      ④⑪              ① ① ①              ④ ⑬   ② ⑬
   5 2 9 5 1 6      4 2 7 4 6 3      4 5 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 5 0 0
 + 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 ⑫⑬ ⑯
   6 5 0 3 4 6              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 ⑰ ⑦ ⑰              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 1 0 9 3 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

   ①
   ```
        5 0
     + 6 0
     ─────
     1 1 0
   ```

   (b) 635 rounded off to the nearest tens = 640
   425 rounded off to the nearest tens = 430
   Estimated sum = 640 + 430 = 1070

   ①
   ```
        6 4 0
     + 4 3 0
     ───────
     1 0 7 0
   ```

   (c) 486 rounded off to the nearest tens = 490
   36 rounded off to the nearest tens = 40
   Estimated sum = 490 + 40 = 530

   ①
   ```
       4 9 0
     +   4 0
     ───────
       5 3 0
   ```

2. (a) 982 rounded off to the nearest hundreds = 1000
   848 rounded off to the nearest hundreds = 800
   Estimated sum = 1000 + 800 = 1800

   ```
       1 0 0 0
     +   8 0 0
     ─────────
       1 8 0 0
   ```

   (b) 4320 rounded off to the nearest hundreds = 4300
   4175 rounded off to the nearest hundreds = 4200
   Estimated sum = 4300 + 4200 = 8500

   ```
       4 3 0 0
     + 4 2 0 0
     ─────────
       8 5 0 0
   ```

   (c) 3557 rounded off to the nearest hundreds = 3600
   2598 rounded off to the nearest hundreds = 2600
   Estimated sum = 3600 + 2600 = 6200

   ①
   ```
       3 6 0 0
     + 2 6 0 0
     ─────────
       6 2 0 0
   ```

3. (a) 92 rounded off to the nearest tens = 90
   48 rounded off to the nearest tens = 50
   Estimated difference = 90 – 50 = 40

   ```
       9 0
     - 5 0
     ─────
       4 0
   ```

   (b) 735 rounded off to the nearest tens = 740
   525 rounded off to the nearest tens = 530
   Estimated difference = 740 – 530 = 210

   ```
       7 4 0
     - 5 3 0
     ───────
       2 1 0
   ```

   (c) 786 rounded off to the nearest tens = 790
   56 rounded off to the nearest tens = 60
   Estimated difference = 790 – 60 = 730

   ```
       7 9 0
     -   6 0
     ───────
       7 3 0
   ```

4. (a) 872 rounded off to the nearest hundreds = 900
   810 rounded off to the nearest hundreds = 800
   Estimated difference = 900 – 800 = 100

   ```
       9 0 0
     - 8 0 0
     ───────
       1 0 0
   ```

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

   ```
       5 4 0 0
     - 3 3 0 0
     ─────────
       2 1 0 0
   ```

   (c) 2598 rounded off to the nearest hundreds = 2600
   1741 rounded off to the nearest hundreds = 1700
   Estimated difference = 2600 – 1700 = 900

   ① ⑯
   ```
       2̶ 6̶ 0 0
     - 1 7 0 0
     ─────────
         9 0 0
   ```