Class : 3   **Subject: Mathematics**   **Topic : Unit 4**

Work to be done:

Warm up. Exercise 4 A Q1 (a, c, e) in book, Q2 (b, d) in copy, Q3, Q5, Q6 in copy.
Properties of subtraction. Q7 in book
Word problems Exercise 4 B Q1, 3, 5, 7 in copy
Subtraction of 4-digit numbers with borrowing
Exercise 4 C Q1 (b, d, f, g, i) in book
Checking subtraction using addition.
Q2 a, c in copy
Q3 a, d, e in copy
Word problem. Exercise 4 D Q2, 4, 5, 6 in copy.
Addition and Subtraction together
Exercise 4 E Q1 (a, b) in copy. Q2, 4 in copy.

Exercise 4A

1. (a)
Th	H	T	O
	8	7	9	2
−	5	4	3	1
	3	3	6	1

(b)
Th	H	T	O
	3	2	7	6
−	1	0	5	4
	2	2	2	2

(c)
Th	H	T	O
	9	6	5	3
−	3	5	4	2
	6	1	1	1

(d)
Th	H	T	O
	5	6	4	8
−	4	1	3	5
	1	5	1	3

(e)
Th	H	T	O
	2	7	5	3
−	1	3	0	2
	1	4	5	1

(f)
Th	H	T	O
	6	4	7	0
−		3	4	0
	6	1	3	0

2. (a)
```
    3  4  7  1
  - 2  3  5  0
  _____
    1  1  2  1
```

(b)
```
    4  7  3  2
  - 3  1  2  1
  _____
    1  6  1  1
```

(c)
```
    5  8  6  3
  - 3  2  4  1
  _____
    2  6  2  2
```

(d)
```
    9  6  7  5
  - 7  3  6  5
  _____
    2  3  1  0
```

3.
```
    4  1  8  5
  - 1  0  7  2
  _____
    3  1  1  3
```

4.
```
    6  6  9  7
  - 4  3  7  2
  _____
    2  3  2  5
```

5.
```
    9  8  0  0
  - 8  7  0  0
  _____
    1  1  0  0
```

6.
```
    9  9  9  9
  - 1  2  3  4
  _____
    8  7  6  5
```

7. (a) 1794   (b) 0   (c) 2140   (d) bigger, smaller

Exercise 4B

1. Number of stamps, Reema got = 1235
   Number of stamps damaged = − 124
   Number of stamps left with her = 1111

2. Points scored by Rohit = 5872
   Points scored by Vikas = 9884

   $$\begin{array}{cccc} 9 & 8 & 8 & 4 \\ - \ 5 & 8 & 7 & 2 \\ \hline \end{array}$$
   Difference = 4 0 1 2 points

3. Larger number = 9876
   Difference = 2845
   Larger number − difference

   $$\begin{array}{cccc} 9 & 8 & 7 & 6 \\ - \ 2 & 8 & 4 & 5 \\ \hline 7 & 0 & 3 & 1 \end{array}$$
   So, smaller number = 7031.

4. Total no. of students = 2760
   Number of boys = 1650
   Number of girls = 2760 − 1650 = 1110

5. No. of people visited zoo in first week = 5798
   No. of people visited zoo in next week = 4567
   Difference = 5798 − 4567 = 1231 people.

6. Distance covered by train = 3500 km
   Distance covered by bus = 2400 km
   Difference in distance = 3500 − 2400 = 1100 km.
   Hence, train covers more distance by = 1100 km

7. Total no. of cement bags in godown = 4312
   No. of cement bags sold out = 2310
   No. of bags left in godown = 4312 − 2310 = 2002 bags.

Exercise 4C

1. (a)
Th	H	T	O
④	⑩		
5̶	8̶	9	4
− 2	4	7	3
2	6	2	1

   (b)
Th	H	T	O
		④	⑪
6	8	5̶	1̶
− 3	6	4	9
3	2	0	2

   (c)
Th	H	T	O
⑥	⑨	⑩	⑬
7̶	8̶	1̶	3̶
− 4	3	1	8
2	6	9	5

   (d)
Th	H	T	O
	①	⑨	⑮
8	2̶	8̶	5̶
− 5	1	6	7
3	0	3	8

   (e)
Th	H	T	O
④	⑮	⑭	
5̶	6̶	4̶	3
− 1	9	8	2
3	6	6	1

   (f)
Th	H	T	O
⑧	⑨	⑨	⑩
9̶	8̶	8̶	8̶
− 6	8	7	6
2	1	2	4

   (g)
Th	H	T	O
	④	⑮	⑩
9	5̶	6̶	0̶
− 3	4	7	8
6	0	8	2

   (h)
Th	H	T	O
⑥	⑨	⑨	⑬
7̶	8̶	8̶	3̶
− 3	9	9	9
3	0	0	4

   (i)
Th	H	T	O
③	⑪	⑭	⑯
4̶	2̶	5̶	6̶
− 1	3	6	7
2	8	8	9

2. (a)

```
      ⑥ ⑨ ⑩
    6  7  0  0
 -  2  1  9  4
 ───────────────
    4  5  0  6
```

(b)

```
    ⑦ ⑪ ⑮ ⑭
    8  2  6  4
 -  1  2  9  7
 ───────────────
    6  9  6  7
```

(c)

```
    ① ⑨ ⑫ ⑪
    2  0  3  1
 -  1  4  9  5
 ───────────────
       5  3  6
```

(d)

```
    ⑦ ⑨ ⑨ ⑩
    8  0  0  0
 -  4  9  5  7
 ───────────────
    3  0  4  3
```

3. (a)

Checking through Addition

```
Th  H  T  O          Th  H  T  O
 ② ⑨ ⑬ ⑪             ① ① ①
 3  0  4  1  ↘     ↗  1  6  9  3
-1  3  4  8 ─────→ + 1  3  4  8
 1  6  9  3  ↗     ↘  3  0  4  1
```

(b)

Checking through Addition

```
Th  H  T  O          Th  H  T  O
 ⑧ ⑫                 ①
 9  2  6  4  ↘     ↗  1  4  2  3
-7  8  4  1 ─────→ + 7  8  4  1
 1  4  2  3  ↗     ↘  9  2  6  4
```

(c)

Checking through Addition

```
Th  H  T  O          Th  H  T  O
 ⑥ ⑨ ⑨ ⑩             ① ① ①
 7  0  0  0  ↘     ↗  5  3  0  1
-1  6  9  9 ─────→ + 1  6  9  9
 5  3  0  1  ↗     ↘  7  0  0  0
```

(d)

Checking through Addition

```
Th  H  T  O          Th  H  T  O
 ③ ⑪    ⑬            ①    ①
 4  1  9  3  ↘     ↗  1  8  1  4
-2  3  7  9 ─────→ + 2  3  7  9
 1  8  1  4  ↗     ↘  4  1  9  3
```

(e)

Checking through Addition

```
Th  H  T  O          Th  H  T  O
 ① ⑩ ⑨ ⑬             ① ① ①
 2  1  0  3  ↘     ↗  2  5  4
-1  8  4  9 ─────→ + 1  8  4  9
 0  2  5  4  ↗     ↘  2  1  0  3
```

(f)

Th	H	T	O		Th	H	T	O
⑥	⑨	⑩	⑮		①	①	①	
7	0	1	5		3	2	2	9
− 3	7	8	6		+ 3	7	8	6
3	2	2	9		7	0	1	5

Exercise 4D

1. Number of students in school 'A' = 2872
   Number of students in school 'B' =− 1584
   $\qquad\qquad\qquad$ Difference = 1288

   Thus, School 'A' has 1288 more students than school 'B'.

2. Sum of two numbers = 8342
   One number = − 6985
   Thus, other number = 1357

3. Total no. of students = 4000
   No. of boys = − 2894
   No. of girls = 1106

4. Total no. of ice cream cups = 3450
   No. of ice cream cups left = − 279
   Thus, no. of ice cream cups used = 3171

5. Total no. of people in the stadium = 9000
   No. of people left the stadium = − 2479
   Remaining number of people in stadium = 6521

6. No. of eggs sold in a week = 6892
   In next week less eggs sold = − 1985
   No. of eggs sold in 2nd week = 4907

7. No. of elephants in the park = 1354
   No. of deer in the park = + 394
   Total no. of animals = 1748

No. of elephants transferred = 295

```
  1748
 − 295
 ─────
  1453
```

Thus, no. of animals left in the park = 1453.

Exercise 4E

1. (a)
```
    3  4  1  5
 +  5  4  1  8
 ────────────
    8  8  3  3
```

```
    8  8  3  3
 −  1  6  3  4
 ────────────
    7  1  9  9
```

(b)
```
    7  1  0  8
 +  2  1  0  3
 ────────────
    9  2  1  1
```

```
    9  2  1  1
 −  5  2  6  8
 ────────────
    3  9  4  3
```

(c)
```
    3  0  7  3
 +  2  8  0  4
 ────────────
    5  8  7  7
```

```
    5  8  7  7
 −  5  3  5  5
 ────────────
    0  5  2  2
```

2.
```
    4  0  9  7
 +  4  7  2  3
 ────────────
    8  8  2  0
```

```
    8  8  2  0
 −  1  7  9  6
 ────────────
    7  0  2  4
```

3.
```
    1  8  7  5
 +     8  2  6
 ────────────
    2  7  0  1
```

```
    2  7  0  1
 −     3  2  5
 ────────────
    2  3  7  6
```

So number of passengers in the train are 2376

4.
```
    1  4  2  6
 +  1  0  5  6
 ────────────
    2  4  8  2
```

```
    2  4  8  2
 −  1  5  6  3
 ────────────
    0  9  1  9
```

So, number of banana(s) left with him are 919