Here, we can see there are 2 lakhs in the number.

2 CHAPTER Addition and Subtraction

Warm-up Exercise

1. (a)

	Th	H	T	O
	1	2	5	6
+	7	6	2	3
	8	8	7	9

(b)

	Th	H	T	O
	5	0	0	4
+	1	9	9	3
	6	9	9	7

(c)

	Th	H	T	O
	1	2	6	9
+	1	4	3	0
	2	6	9	9

2. (a)

	Th	H	T	O
	2	4	6	8
–	1	1	3	5
	1	3	3	3

(b)

	Th	H	T	O
	9	0	7	5
–	4	0	1	3
	5	0	6	2

3. (a)

	H	T	O
	5	3	9
–	4	6	8
		7	1

(b)

	Th	H	T	O
	4	7	9	6
–	1	0	9	9
	3	6	9	7

(c)

	Th	H	T	O
	1	8	9	1
–		3	8	8
	1	5	0	3

4. (a)

	H	T	O
	6	5	6
+	6	7	7
1	3	3	3

Check: 1333 – 656 = 677

(b)

	H	T	O
	1	9	8
+	9	0	0
1	0	9	8

Check: 1098 – 198 = 900

(d)

	Th	H	T	O
	2	5	7	6
+	7	0	8	5
	9	6	6	1

Check: 9661 – 2576 = 7085

5. 150 + 676 + 1850 – 20 = 826 + 1850 – 20 = 2676 – 20 = 2656

6. Population of town A = 6576

Population of town B = 3418

Population of town A and town B = 6576 + 3418 = 9994

Difference of population of the both (town A and town B) = 6576 – 3418 = 3158

7. Number of words typed by Rukmini in a certain time = 5761

Number of words typed by Sahil in the same time = 4395

Since, both the numbers are 4-digit numbers.

And at the highest place of these numbers, on comparing we have, 5 thousands > 4 thousands.

Therefore, 5761 > 4395.

Practice (Page 31)

2. (b)

	TTh	Th	H	T	O
	8	1	8	1	8
+	1	8	1	8	1
	9	9	9	9	9

Checkpoint 2A

1. (a)

	TTh	Th	H	T	O
	2	8	1	5	3
+	4	0	3	4	2
	6	8	4	9	5

(b)

	TTh	Th	H	T	O
	3	0	8	5	1
+	5	9	0	4	7
	8	9	8	9	8

2. (b)

	L	TTh	Th	H	T	O
	2	1	5	8	2	7
	3	1	4	0	7	0
+	4	6	0	1	0	2
	9	8	9	9	9	9

Practice (Page 33)

1. 27 ones = 2 tens + 7 ones

2. 57 hundreds = 5 thousands + 7 hundreds

3. 10 thousands = 1 ten thousand

4. 28 thousands = 2 ten thousands + 8 thousands

Checkpoint 2B

1. (a)

	TTh	Th	H	T	O
	2	5	9	6	9
+	1	1	1	1	1
	3	7	0	8	0

(c)

	L	TTh	Th	H	T	O
	6	6	7	7	8	8
+		9	5	5	3	3
	7	6	3	3	2	1

(d)

	L	TTh	Th	H	T	O
		5	7	4	2	8
		3	4	6	4	2
+		2	3	4	5	0
	1	1	5	5	2	0

(e)

	L	TTh	Th	H	T	O
	1	9	9	7	0	0
	1	2	3	4	3	0
+	3	4	0	5	2	8
	6	6	3	6	5	8

(a)

	L	TTh	Th	H	T	O
		7	9	4	2	2
+		2	2	3	1	2
	1	0	1	7	3	4

One lakh one thousand seven hundred thirty-four

(c)

	L	TTh	Th	H	T	O
		2	5	7	6	2
		1	2	9	0	0
+				6	7	9
		3	9	3	4	1

Thirty-nine thousand three hundred forty-one

(d)

	L	TTh	Th	H	T	O
				4	2	8
+			7	6	2	8
	2	3	4	5	4	4
	2	4	2	6	0	0

Two lakh forty-two thousand six hundred

(a) Six lakh four thousand twenty-four + eighty-nine thousand six hundred seventy-seven

= 604024 + 89677 = 693701

(b) Greatest 4-digit number + Greatest 5-digit number = 9999 + 99999 = 109998

Checkpoint 2C

1. For a job applications received by a company,

through post = 3291

through online = 7888

Now, total applications received by the company for the job = 3291 + 7888 = 11179 applications

2. Car's actual cost = Amount spent by Maria to purchase it + Amount spent on renewal and accessories = ₹ 4,44,400 + ₹ 80,000

= ₹ 5,24,400

3. Number of men in a town = 39425

Number of women in the town = 38500

Number of children in the town = 48345

Now, total population of the town

= 39425 + 38500 + 48345 = 126270

4. A garment factory made

number of red T-shirts in the first week = 24608

number of blue T-shirts in the second week = 18432

number of black T-shirts in the third week = 30005

Now, total T-shirts made by the factory in these 3 consecutive weeks = 24608 + 18432 + 30005

= 73045 T-shirts

5. In a valley,

area for farming = 3560 square metres

remaining area = 2956 square metres

Total area of the valley = 3560 + 2956

= 6516 square metres

6. Kashni has amount = ₹ 25,750

Father gave amount to her = ₹ 1350

Total amount with Kashni = ₹ 25,750 + ₹ 1350

= ₹ 27,100

Similarly, total amount with Kashvi = ₹ 27,100

Therefore, total amount with both the sisters = ₹ 27,100 + ₹ 27,100 = ₹ 54,200

Checkpoint 2E

1.

	TTh	Th	H	T	O
	5	6	4	3	3
–	2	1	4	0	1
	3	5	0	3	2

4.

	L	TTh	Th	H	T	O
	7	7	7	4	4	4
–	3	7	7	4	0	0
	4	0	0	0	4	4

6.

	L	TTh	Th	H	T	O
	4	0	0	8	0	0
–	2	0	0	6	0	0
	2	0	0	2	0	0

Checkpoint 2F

1. (b)

	TTh	Th	H	T	O
	7	8	5	0	0
–	3	7	7	2	8
	4	0	7	7	2

(c)

	TTh	Th	H	T	O
	3	3	2	1	0
–		9	5	6	0
	2	3	6	5	0

(d)

	L	TTh	Th	H	T	O
	6	6	0	5	3	1
–		7	0	9	8	1
	5	8	9	5	5	0

(e)

	L	TTh	Th	H	T	O
	4	3	4	3	4	3
–	2	8	2	8	2	8
	1	5	1	5	1	5

(f)

	L	TTh	Th	H	T	O
	9	0	0	0	0	0
–	1	7	8	3	4	0
	7	2	1	6	6	0

2. (a)

	TTh	Th	H	T	O
	4	2	6	7	8
–	1	0	1	5	3
	3	2	5	2	5

(b)

	L	TTh	Th	H	T	O
	6	5	3	9	1	1
–		3	2	5	8	1
	6	2	1	3	3	0

(c)

	L	TTh	Th	H	T	O
	8	8	3	4	7	2
–	7	7	9	9	8	1
	1	0	3	4	9	1

(d)

	L	TTh	Th	H	T	O
	2	9	8	6	7	1
–	1	9	5	8	9	3
	1	0	2	7	7	8

3. (a) 42345 – 1616 = 40729;
Check: 1616 + 40729 = 42345

(b) 83471 – 5555 = 77916;
Check: 77916 + 5555 = 83471

(c) 125698 – 99888 = 25810;
Check: 25810 + 99888 = 125698

4. 100000 – 57246 = 42754

5. Five lakh–Two lakh twenty-two thousand ninety-nine = 500000 – 222099 = 277901

6. (a) 1000 – 721 = 279

(b) 1000 – 492 = 508

(c) 10000 – 1465 = 8535

Checkpoint 2G

1. Daljeet's truck has been driven = 70595 km

Shera's truck has been driven = 85105 km

Comparing both the distances, we can see 85105 km > 70595 km.

And 85105 – 70595 = 14510

Therefore, Shera's truck has been driven more by 14510 km.

2. Family's income in a month = ₹ 21,590

Family's savings in the month = ₹ 4,950

Family's expenditure in the month
= ₹ 21,590 – ₹ 4,950 = ₹ 16,640

3. Cost of the red colour phone = ₹ 18,225

Cost of the black colour phone
= ₹ 18,225 – ₹ 5,950 = ₹ 12,275

4. 103570 – 9952 = 93618

Therefore, 9952 is less than 103570 by 93168.

5. Money earned by the player = ₹ 1,35,550

Money donated by the player = ₹ 14,375

Money left with him after donation
= ₹ 1,35,550 – ₹ 14,375 = ₹ 1,21,175

6. Number of followers of a Bollywood personality in the beginning of the year = 2,00,000

Number of followers lost by him during the year = 89,410

Now, number of followers left with him at the end of the year = 2,00,000 – 89,410 = 1,10,590

7. Smallest 6-digit number = 100000

Smallest 4-digit number = 1000

Difference = 100000 – 1000 = 99000

8. Capacity of the stadium = 1,50,500 spectators

Number of seats vacant during an event in the stadium = 19,898

So, number of people watched the event
= 1,50,500 – 19,898 = 1,30,602

9. Since, 899652 – 107999 = 791653

Therefore, 899652 is greater than 107999 by 791653.

Checkpoint 2I

1. (a) 150000 + 16509 – 88388

= 166509 – 88388

= 78121

(b) 48387 – 12999 + 109325

= 35388 + 109325

= 144713

(c) 168777 – 49000 – 577

= 119777 – 577 = 119200

(d) 54172 + 80219 + 63900

= 134391 + 63900 = 198291

2. (b)

	L	TTh	Th	H	T	O
	9	3	5	4	7	8
–		6	7	5	2	0
	8	6	7	9	5	8

3. Sum = 88756 + 10345 = 99101

Difference = 523400 – 99101 = 424299

Checkpoint 2J

1. (b) Given number: 68722

Rounding off to the nearest thousand = 69000

Rounding off to the nearest ten thousand = 70000

(d) Given number: 62383

Rounding off to the nearest thousand = 62000

Rounding off to the nearest ten thousand = 60000

2. (a) 195 + 625

Rounding off sum = 200 + 600 = 800

(d) 52651 + 6670

Rounding off sum = 53000 + 7000 (Since, thousands place is highest in the smaller number)

= 60000

(e) 9815 – 7030

Rounding off difference
= 10000 – 7000 = 3000

(h) 69521 – 23858

Rounding off difference
= 70000 – 20000 = 50000

3. Amount collected by the NGO A = ₹ 52,095

Amount collected by the NGO B = ₹ 38,560

Estimated amount collected by the NGO A = ₹ 50,000

Estimated amount collected by the NGO B = ₹ 40,000

Estimated amount collected by both the NGO A and B = ₹ 50,000 + ₹ 40,000 = ₹ 90,000

Let Us Assess

1. (a) Total magazines printed by the publishing house XY = 56720 + 140001 + 248500

= 445221

(b) Difference of number of magazines A and B = 140001 – 56720 = 83281

(c) Sum of the number of magazines A and C = 56720 + 248500 = 305220

Required difference = 305220 – 140001 = 165219

2. Place value of the digit 3 at thousands place in the number 53836 = 3000

Place value of the digit 3 at tens place in the number 53836 = 30

Now, difference in the two place values
= 3000 – 30 = 2970

6. (a) Nearest ten thousand number for the number 53789 = 50000

7. (a) Rupees ten thousand less than rupees one lakh = ₹ 1,00,000 – ₹ 10,000 = ₹ 90,000

(b) Rupees ten thousand more than rupees one lakh = ₹ 1,00,000 + ₹ 10,000 = ₹ 1,10,000

9. Greatest 5-digit number formed using the digits 6, 0, 4, 3, and 9 = 96430

Smallest 5-digit number formed using the digits 6, 0, 4, 3, and 9 = 30469

Now, the required sum = 30469 + 96430
= 126899

10. Sum of the two numbers = 4,23,728

One of the number = 88,971

Therefore, the other number = 423728 – 88971
= 334757

HOTS

1. Difference of the greatest 6-digit number and the greatest 4-digit number

= 999999 – 9999 = 990000

Now, 1 more than 990000 = 990000 + 1
= 990001

2. Cost paid by Joseph to purchase a plot of a land = ₹ 2,59,700

Selling price of the plot of the land = ₹ 3,50,000

Estimated profit = Estimated selling price of the land – Estimated cost of the land

= ₹ 4,00,00 – ₹ 3,00,000 = ₹ 1,00,000

Actual profit = Selling price of the plot – Cost price of the plot = ₹ 3,50,000 – ₹ 2,59,700
= ₹ 90,300

Let's Work in Mind

1. Predecessor of the largest 5-digit number = 99999 – 1 = 99998

2. According to the question,

Successor of a number = Smallest 5-digit number

Which implies,

The number = Smallest 5-digit number – 1
= 10000 – 1 = 9999

3. Given, number is two lakh sixty thousand five hundred eleven = 2,60,511

In this number place of the digit 0 is the thousands place.