

# Addition and Subtraction

## Warm-up Exercise

2. (a)  $500333 + 411444 = 911777$

(d)  $731412 + 191215 = 922627$

3. (a)  $98377 - 54156 = 44221$

(d)  $600156 - 599525 = 631$

4. (a)

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

(d)

	L	TTh	Th	H	T	O
	9	6	5	4	6	3
-	6	4	8	7	4	6
	3	1	6	7	1	7

(d)

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

3. (a)

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

(b)

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

## Checkpoint 2A

1. (a)

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

(d)

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

2. (b)

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

## Checkpoint 2B

1. Cost of the plot = ₹ 70,68,420

Construction cost = ₹ 60,75,000

Total cost of the plot = ₹ 70,68,420 + ₹ 60,75,000  
= ₹ 1,31,43,420

2. Number of bikes manufactured by company A  
in a year = 8,20,932

Company A's next year production = 1 lakh  
more bikes than 820932

= 820932 + 100000 = 920932 bikes

5. Observe the given table.

	Distance driven by taxi	Time taken
Delhi to Jaipur	281 km 230 m	6 hours
Jaipur to Udaipur	395 km	7 hours
	676 km 230 m	13 hours
	= 676000 m	= 13 × 60 × 60
	+ 230 m	seconds
Total	= 676230 m	= 46800 seconds

Therefore, Daljit covers 676230 m distance in 46800 seconds.

6. Number of students appeared in an examination in 2022 = 1168975

Number of students appeared in the next year = 1168975 + 150175 = 1319150

Therefore, 1319150 students appeared in the examination in the next year.

### Checkpoint 2C

1. (a)

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

(d)

	C	TL	L	TTh	Th	H	T	O
	3	4	9	0	2	1	0	7
–	1	0	0	7	8	3	8	5
	2	4	8	2	3	7	2	2

2. (a)

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

**Check:**

Subtrahend + Difference = Minuend  
 $25000361 + 61374052 = 86374413$

3. (a)

	L	TTh	Th	H	T	O
	2	<u>3</u>	<u>8</u>	4	5	6
–		7	6	2	0	<u>0</u>
	<u>1</u>	6	2	<u>2</u>	<u>5</u>	6

(d)

	C	TL	L	TTh	Th	H	T	O
	9	<u>6</u>	3	0	2	<u>4</u>	6	8
–		8	<u>7</u>	1	2	3	<u>6</u>	5
	8	7	5	<u>9</u>	<u>0</u>	1	0	<u>3</u>

### Practice (Page 38)

2. Given digits are 7, 0, 5, 9, 8, 0 and 1.

Greatest 8-digit number formed using the above digits = 99875100

Smallest 8-digit number formed using the above digits = 10057899

Required difference =  $99875100 - 10057899$   
 $= 89817201$

### Checkpoint 2D

1. Distance between the Moon and the Earth = 384400 km

Gurbhachan's truck driven = 393425 km

Required difference =  $393425 \text{ km} - 384400 \text{ km}$   
 $= 9025 \text{ km}$

3. Number of people participants yoga in Gujarat on a yoga day 2023 = 153000

Number of people participants yoga in Kota on a yoga day 2018 = 100984

More people participants in Gujarat =  $153000 - 100984 = 52016$

### Practice (Page 39)

Given number is 7,53,35,569.

Sum of place values of 3s =  $300000 + 30000 = 330000$

Place value of 7 = 70000000

Required difference =  $7,00,00,000 - 3,30,000$   
 $= 6,96,70,000$

### Checkpoint 2E

1. (a)  $44359321 + 32569111 - 41399187$

Since,  $44359321 + 32569111 = 76928432$

Therefore,  $44359321 + 32569111 - 41399187$   
 $= 76928432 - 41399187$

$= 35529245$

2. Total number of people visited the art gallery in the last three months = 15025555

Number of people visited in the month of October = 4029169

Number of people visited in the month of November = 3548350

Number of people visited in the month of October and November =  $4029169 + 3548350$   
 $= 7577519$

Number of people visited in the month of December

$$= 15025555 - 7577519 = 7448036$$

Therefore, 74,48,036 people visited the art gallery in the month of December.

5. Sum of 19050600 and 8075933

$$= 19050600 + 8075933 = 2,71,26,533$$

$$\text{Required difference} = 2,71,26,533 - 15,79,233 = 2,55,47,300$$

9. Total amount Mr Dutta has = ₹ 1,65,79,550

$$\text{Amount he gave to his daughter and son} = ₹ 20,40,000 + ₹ 15,50,000 = ₹ 35,90,000$$

$$\text{The amount invested by him for good returns} = ₹ 1,65,79,550 - ₹ 35,90,000$$

$$= ₹ 1,29,89,550$$

### Let Us Assess

2. (c)

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

3. (c)

9	0	0	0	0	0	0
-	5	3	2	1	6	8
8	4	6	7	8	3	2

4. (b)

7	5	2	9	6	1	3	9	
-	1	2	9	3	4	1	2	1
6	2	3	6	2	0	1	8	

7. Greatest 5-digit number = 99999

$$\text{Greatest 6-digit number} = 999999$$

$$\text{Sum} = 99999 + 999999 = 1099998$$

$$\text{Required difference} = 1809356 - 1099998 = 709358$$

9. Cost of the plot = ₹ 11,50,240

$$\text{Profit} = ₹ 1,49,235$$

$$\text{Selling price of the plot}$$

$$= ₹ 11,50,240 + ₹ 1,49,235$$

$$= ₹ 12,99,475$$

Therefore, Mr Methew sold the plot for ₹ 12,99,475.

### HOTS

$$\text{Total collection of the NGO's A, B, C and D} = ₹ 2,50,68,900$$

$$\text{Collection of the NGO's A, B and C}$$

$$= ₹ 48,61,133 + ₹ 59,05,150 + ₹ 38,77,190$$

$$= ₹ 1,46,43,473$$

$$\text{Now, collection of the NGO D} = ₹ 2,50,68,900 - ₹ 1,46,43,473 = ₹ 1,04,25,427$$

### Let's Work in Mind

2. Total number =  $4893673 + 10000 = 4903673$

From the above sum digit 8 will be 1 more at lakhs place.

5. Required sum = 20 crores + 10 crores = 30 crores = 30,00,00,000

Therefore, there are 8 zeros in the sum.