CHAPTER – 3

GIVE AND TAKE

Page No 30:

Question 1: Try these on Kittu's home:

(a) 10 less than 34 is _____.

(b) 53 − 20 = _____

(c) 11 more than 31 is _____.

(d) 11 less than 66 is _____.

(e) 62 + 13 = _____

(f) 23 less than 89 is _____.

(g) 10 and 40 more is _____.

(h) 9 added to 28 gives _____.

(i) The sum of 9 and 44 is _____.

(j) Reducing 98 by 34 gives _____.

(k) 4 and 37 more is _____.

(l) Take 35 away from 83. We get _____.

Answer:

(a) We will start from 34. To find 10 less than 34, we will go 10 steps back or jump down one row. When we jump 1 row down, we reach 24. A jump from 34 to 24 is like taking 10 steps backwards from 34. We can write it like this: 34 − 10 = 24 Thus, 10 less than 34 is 24.

(b) We will start from 53. To subtract 20 from 53, we will jump 2 rows down. When we jump 2 rows down, we reach 33. A jump from 53 to 33

is like taking 20 steps backwards from 53. We can write it like this: 53 − 20 = 33

(c) We will start from 31. To find 11 more than 31, we will jump 1 row up from 31 and take 1 step right to reach 42. This is like taking 11 steps forward from 31. We can write it like this: 31 + 10 = 41 41 +1 = 42 Thus, 11 more than 31 is 42.

(d)We will start from 66. To find 11 less than 66, we will jump 1 row down from 66 and take 1 step left to reach 55. This is like taking 11 steps backwards from 66. We can write it like this: 66 − 10 = 56 56 − 1 = 55 Thus, 11 less than 66 is 55.

(e) We will start from 62. To add 13 to 62, we will jump 1 row up from 62 and take 3 steps right to reach 75. This is like taking 13 steps forward from 62. We can write it like this: 62 + 10 = 72 72 + 3 = 75 Thus, 62 + 13 = 75

(f) We will start from 89. To find 23 less than 66, we will jump 2 rows down from 89 and take 3 steps left to reach 66. This is like taking 23 steps backwards from 89. We can write it like this: 89 − 20 = 69 69 − 3 = 66 Thus, 23 less than 89 is 66.

(g) We will start from 10. To add 40 to 10, we can jump 4 rows up from 10. When we jump 4 rows up, we reach 50. A jump from 10 to 50 is like taking 40 steps forward from 10. We can write it like this: 10 + 40 = 50 Thus, 10 more than 40 is 50.

(h) We will start from 28. To add 9 to 28, we will jump 1 row up from 28 and take 1 step left to reach 37. This is like taking 9 steps forward from 28. We can write it like this: 28 + 10 = 38 38 − 1 = 37 Thus, 9 added to 28 gives 37.

(i) We will start from 44. To add 9 to 44, we will jump 1 row up from 44 and take 1 step left to reach 53. This is like taking 9 steps forward from 44. We can write it like this: 44 + 10 = 54 54 − 1 = 53 Thus, the sum of 9 and 44 is 53.

(j) We will start from 98. To reduce 98 by 34, we will jump 3 rows down from 98 and take 4 steps left to reach 64. This is like taking 34 steps backwards from 98. We can write it like this: 98 − 30 = 68 68 − 4 = 64 Thus, reducing 98 by 34 gives 64.

(k) We will start from 4. To add 37 to 4, we will jump 4 rows up from 4 and take 3 steps left to reach 41. This is like taking 37 steps forward from 4. We can write it like this: 4 + 40 = 44 44 − 3 = 41 Thus, 4 more than 37 is 41.

(l) We will start from 83. To take 35 from 83, we will jump 4 rows down and take 5 steps right to reach 48. This is like taking 35 steps backwards from 83. We can write it like this: 83 − 40 = 43 43 + 5 = 48 Thus, by taking 35 away from 83, we get 48.

Page No 31:

Question 1: Hey! I have something more interesting for you. Ma told me, there are things to eat in some rooms. Help me find those room numbers. Mark them in my home. See what you get!

91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

E.g., 47 = 37 + 10

37 + 9 = _____

62 − 30 = _____

_____ = 46 + 28

_____ = 87 − 14

62 − _____ = 43

36 = _____ − 8

45 + _____ = 99

43 + _____ = 74

_____ + 26 = 75

100 = _____ + 50

_____ − 1 = 1

57 − _____ = 20

Answer:

(a) 37 + 9 = 46 Yes, there is a shortcut method to do this. We will first add 37 and 10 and then subtract 1 from the answer. 37 + 10 = 47 Now, 47 − 1 = 46

(b) We will first subtract 10 from 62. 62 − 10 = 52 We will now subtract 10 from 52. 52 − 10 = 42 We will finally subtract 10 from 42 to get 32 as the answer. 42 − 10 = 32 Thus, 62 − 30 = 32

(c) We know 46 + 20 = 66 We will add 8 to get the final answer. 66 + 8 = 74 So, 74 = 46 + 28

(d) We will first subtract 10 from 87. 87 − 10 = 77 We will now subtract 4 from 77 and get 73. So, 87 − 14 = 73

(e) We will first subtract 10 from 62. 62 − 10 = 52 We will now subtract 9 from 52. 52 − 9 = 43 So, 62 − 19 = 43

(f) 36 = 44 − 8

(g) We add 50 to 45. 45 + 50 = 95 On adding 4 to 95, we get 99. Now, 95 + 4 = 99 So, 45 + 54 = 99

(h) We will first add 30 to 43. 43 + 30 = 73 We will now add 1 to 73. 43 + 31 = 74

(i) We know 40 + 26 = 66 Now, we will add 9 to 66. 35 + 40 = 75

(j) 50 + 50 = 100

(k) We will subtract 1 from 2. 2 − 1 = 1

(l) We will first subtract 30 from 57. 57 − 30 = 27 We will now subtract 7 from 27. 57 − 37 = 20.

Page No 34:

Question 1:

See if you can do the same with these sums.

37 + 22 = 30 + 7 + 20 + 2

= □ + □ + □

= □ + □ = □

73 + 24 = □ + □ + □ + □

= □ + □ + □

= □ + □ = □

56 + 21 = □ + □ + □ + □

= □ + □ + □

= □ + □ = □

Answer:

37 + 22 = 30 + 7 + 20 + 2

$= 50 + 7 + 2$

$= 50 + 9 = 59$

$73 + 24 = 70 + 3 + 20 + 4$

$= 90 + 3 + 4$

$= 90 + 7 = 97$

$56 + 21 = 50 + 6 + 20 + 1$

$= 70 + 6 + 1$

$= 70 + 7 = 77$

Page No 35:

Question 1:

Now work out the steps in your mind. Write the answers directly in the boxes. $33 + 42 =$_____

$19 + 61 =$_____

_____ $= 48 + 42$

_____ $= 33 + 27$

_____ $= 34 + 63$

_____ $= 53 + 64$

$55 + 25 =$_____

67 + 25 =_____

72 + 56 =_____

Answer:

33 + 42 = 75

19 + 61 = 80

90= 48 + 42

60= 33 + 27

97= 34 + 63

117= 53 + 64

55 + 25 = 80

67 + 25 = 92

72 + 56 =128

Page No 40:

Question 1:

A shopkeeper Rafi had 153 candles. Paras gave him 237 more candles. How many candles does Rafi have now?

	100	**10**	**1**
	2	3	7
+	1	5	3

Answer:

Number of candles with Rafi = 153 Number of candles given by Paras to Rafi = 237 Total number of candles with Rafi = 237 + 153 = 390

	100	**10**	**1**
	2	3	7
+	1	5	3
	3	9	0

Thus, Rafi has a total of 390 candles.

Question 2: A train compartment is carrying 132 people. Another compartment is carrying 129 people. In all, how many people are there in both the compartments?

Answer:

Number of people in the first compartment = 132 Number of people in the second compartment = 129

Total number of people in both the compartments = 132 + 129 = 261

	100	**10**	**1**
		1	
	1	3	2
+	1	2	9
	2	6	1

Thus, there are 261 people in both the compartments.

Page No 41:

Question 1: Shanu found 138 pebbles. Karim found 44 pebbles. How many pebbles did they find in all?

	100	10	1
	1	3	8
+		4	4

Answer:

Number of pebbles with Shanu = 138 Number of pebbles with Karim = 44 Total number of pebbles = 138 + 44 = 182

	100	10	1
		1	
	1	3	8
+		4	4
	1	8	2

Thus, Shanu and Karim found 182 pebbles altogether.

Question 2: A teacher kept a note of which fruits students like in her school. This is what she found:

Students	Oranges	Mangoes	Total
Girls	136	240	
Boys	128	243	
Total			

Find out: (a) How many students in the school like oranges? (b) How many students in the school like mangoes? (c) Altogether, how many students are there in the school? (d) Is the number of girls more than 350 or less than 350?

Answer:

(a) Number of girls who like oranges = 136 Number of boys who like oranges = 128 Total number of students who like oranges = 136 + 128 = 264

	100	**10**	**1**
		1	
	1	3	6
+	1	2	8
	2	6	4

(b) Number of girls who like mangoes = 240 Number of boys who like mangoes = 243 Total number of students who like mangoes = 240 + 243 = 483

	100	**10**	**1**
	2	4	0
+	2	4	3
	4	8	3

(c) Total number of students in the school = 264 + 483 = 747

	100	**10**	**1**
	1		
	2	6	4
+	4	8	3
	7	4	7

(d) Number of girls who like oranges = 136 Number of girls who like mangoes = 240 Total number of girls in the school = 136 + 240 = 376

	100	10	1
	1	3	6
+	2	4	0
	3	7	6

Thus, the number of girls in the school is more than 350.

Page No 42:

Question 1: Practice Time

A. (i) 345 + 52 (ii) 492 + 29 (iii) 245 + 93 (iv) 643 + 345 (v) 750 + 219

B.

319+ 823

804+ 406

363+ 456

427+ 248

684+ 232

Answer:

A. (i)

	100	10	1
	3	4	5
+		5	2
	3	9	7

(ii)

	100	**10**	**1**
	1	1	
	4	9	2
+		2	9
	5	2	1

(iii)

	100	**10**	**1**
	1		
	2	4	5
+		9	3
	3	3	8

(iv)

	100	**10**	**1**
	7	5	0
+	2	1	9
	9	6	9

(v)

	100	**10**	**1**
		1	
	3	1	9
+	8	2	3
1	1	4	2

B. (i)

1000	100	10	1
		1	
	3	1	9
+	8	2	3
1	1	4	2

(ii)

1000	100	10	1
		1	
	8	0	4
+	4	0	6
1	2	1	0

(iii)

	100	10	1
	1		
	3	6	3
+	4	5	6
	8	1	8

(iv)

	100	10	1
		1	
	4	2	7
+	2	4	8
	6	7	5

(v)

	100	10	1
	1		
	6	8	4
+	2	3	2
	9	1	6

Page No 44:

Question 1: Do all the sums mentally:

(a) 75 + 20 = 95

(b) 90 + 60 = 150

(c) 25 + 30 + 3 =

(d) 9 + 40 + 31 =

(e) 500 + 200 =

(f) 400 + 350 =

(g) 670 + 120 =

(h) 380 + 210 =

(i) 205 + 650 =

(j) 128 + 600 =

(k) 150 + 69 =

(l) 37 + 46 + 3 =

Answer:

(a) 75 + 20 = 95

(b) 90 + 60 = 150

(c) 25 + 30 + 3 = 58

(d) 9 + 40 + 31 = 80

(e) 500 + 200 = 700

(f) 400 + 350 = 750

(g) 670 + 120 = 790

(h) 380 + 210 = 590

(i) 205 + 650 = 855

(j) 128 + 600 = 728

(k) 150 + 69 = 219

(l) 37 + 46 + 3 = 86

Page No 45:

Question 1:

You can also play it. Here are the cards for you. Work out the combination. Place the cards in the right boxes.

(a)

50		70		20
	+		=	
	+		=	

50		20		70
	-		=	
	-		=	

(b)

30		42		12
	+		=	
	+		=	

30		42		12
	-		=	
	-		=	

Answer:

(a)

50		70		20
20	+	50	=	70
50	+	20	=	70

50		20		70
70	-	50	=	20
70	-	20	=	50

(b)

30		42		12
30	+	12	=	42
12	+	30	=	42

30		42		12
42	-	12	=	30
42	-	30	=	12