CHAPTER: Give and Take

Grade: **3**
Board: **CBSE**
Book: **NCERT**

1.

Chapter Summary and Placement

<Read through the following to understand how this chapter is connected with the previous and next grades and also the important concepts covered in it.>

This chapter helps students do addition and subtraction of 2-digit and 3-digit numbers.

2.

LEARNING OUTCOMES

<On completion of the chapter, students will be able to:>

1. Solve addition and subtraction problems in different situations.
2. Use the place value in standard algorithm of addition and subtraction.
3. Frame problems for addition and subtraction facts.

3. TEACHING PLAN

Follow this section for getting ideas on teaching the content covered in the chapter. The subtopic given in the first column with the matching learning outcome can be explained using instructions and resources listed subsequently

Subtopic and Learning Objective #1

Subtopic:
Count by tens

LO:
Solve addition and subtraction problems in different situations.

1. To make students count by tens

Teacher Activity

1. Write the number 16.
2. Ask students what is 10 more than 16?

   16 + 10 = 26
3. Ask what is 10 less than 16?

   16 – 10 = 6

Check for understanding:

Each of these sequences goes on or back by tens.

Work out the pattern and then fill in the missing numbers.

1)

26	36			66			96

2)

83		63	53			23	

3)

	12	22			52		

4)

	77		57	47		27	

Resources Suggested

Pencil box and textbook

Subtopic and Learning Objective #2

Subtopic:
Regrouping

LO:
Solve addition and subtraction problems in different situations.

1. To make students add and subtract by regrouping

Teacher Activity

1. Ask the students to open the textbook to page 29.
2. Ask them to move with you from 1 to 11
3. A jump from 1 to 11 is like taking 10 steps.

   1 + 10 = 11
4. Ask them to jump another 10 steps to 21

   11 + 10 = 21.
5. Ask the students how they will move from 5 to 25? By jumping 20 steps.

   5 + 20 = 25.
6. Now, if they jump another 20 steps, where will they reach?

   25 + 20 = 45
7. Ask them to now think of how they can move to 54?
   - Jump 10 steps from 45 to 55
   - And then take one step to the left.
8. We can write it like this:

   45 + 10 = 55

   55 – 1 = 54

Teacher Activity

Check for understanding:

Using the grid on page 29 of the text book, solve the following:

a) 10 less than 74 =

b) 11 less than 88 =

c) 69 – 20 =

d) 54 + 15 =

e) 11 more than 41=

f) 14 less than 99 =

Resources Suggested

Pencil box and textbook

Subtopic and Learning Objective #4

Subtopic:
Decomposing

LO:
Solve addition and subtraction problems in different situations.

1. To make students add and subtract by decomposing the numbers

Teacher Activity

1. Add 39 and 41
2. We can decompose 39 as 30 + 9
3. And decompose 21 as 20 + 1
4. Now add

39 + 21
= 30 + 9 + 20 + 1
= 30 + 20 + 9 + 1
=50 + 10
= 60
5.Try adding 17 and 71
17 + 71
= 10 + 7 + 70 + 1
= 10 + 70 + 7 + 1
= 80 + 8
= 88

Check for understanding:

Add:

36 + 64 27 + 70 55 + 11

Activity 1 can be performed to make the class understand easy methods of addition

Resources Suggested

Pencil box and textbook

Activity 1

Name of the activity- Mango Chilli Game
Type of activity – Group
Use it for – Addition Made Easy
Materials – Math textbook, dice and counters
Procedure:
Instructions to the teacher:

1. Divide the class into equal groups of 4 each.
2. Open the textbook on page 39-40
3. Explain the instructions given to the children and let them play the Mango chilli game.
4. Ensure that all children participate
5. Help them in case of any difficulty
6. Aim is to play and learn.

Subtopic and Learning Objective #5

Subtopic:
3-digit Addition

LO:
Use the place value in standard algorithm of addition and subtraction.

1. To make students add 3-digit numbers using place value.

Teacher Activity

1. Read loudly and discuss the story page 36 of the textbook. Follow it up with the exercises give below the story.
2. Explain that adding large numbers becomes easier when addition is done using place value.
3. Solve another :

There are 478 boys and 501 girls at the auditorium. How many children are there in all at the auditorium?

Solution:

		100s	**10s**	**1s**
No. of girls		5	0	1
No. of boys	+	4	7	8
Sum		9	7	9

Check for understanding:

1. For the school elections, 132 children voted for Rahul and 129 children voted for Shikha. How many total children went to vote?
2. Girish found 108 shells on the beach. Karun found 84 shells on the beach. How many shells did they find in all?

Teacher Activity

3. Ravi got a score of 444 in his video game on day 1. He scored 421 on day2 of the game. What was his final score of two days?
4. There are 178 hens in Raju's coop. If each hen gave one egg. What is the total number of hens and eggs in Raju's coop?

Activity 2 can be performed to help the class do oral addition and subtraction

Resources Suggested

Pencil box and textbook

Activity 2

Name of the activity- MIND TRAIN GAME
Type of activity – Group
Use it for – Oral addition and subtraction
Materials – Notebook and pen
Procedure:
Instructions to the teacher:

1. Divide the class into groups of 4 each.
2. Open the textbook on page 42-43.
3. Read out the instructions given on page 42 loudly and explain them to the class.
4. Ensure all students participate and play the game fairly.
5. Help them in case of any difficulty.

Subtopic and Learning Objective #6

Subtopic:
Frame the statement

LO:
Frame problems for addition and subtraction facts.

1. To make students understand that they can add in any order and still get the same answer.

Teacher Activity

1. 27 can be written as

20 + 7 or 7 + 20

2. Explain that order does not affect the answer in addition.

1. Take the above number 27.
2. We expanded it as 20 + 7
3. Explain how we can write this in following different ways:

20 + 7
27 + 0
17 + 10
25 + 2
12 + 15

4. Ask the students to come up with more answers.

Resources Suggested

Pencil box and textbook

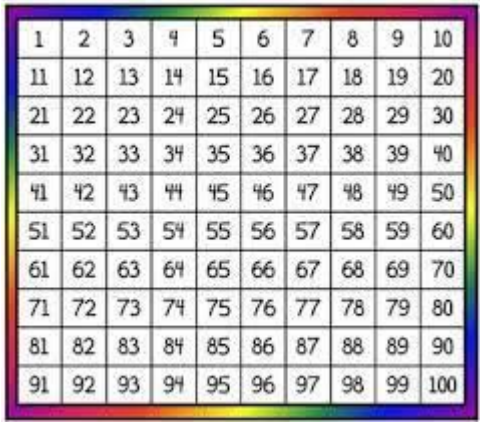
4. WORKSHEETS

Print or copy the worksheet questions on the blackboard and ask the students to attempt them. They can be given as homework or a class test as well.

Worksheet 1

Use it like: test after the chapter is complete, homework

Use the grid to solve the questions given below:



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

a) 53 + 9 = ___

b) __= 87 – 34

c) 55 + ___= 98

d) 100 = ___ + 70

e) 91 – 30 = ___

f) 56 - ___ = 32

g) ___+ 6 = 77

h) ___ - 1 = 11

Worksheet 2

Use it like: test after the chapter is complete, homework

Find the sums:

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

    2 0 0          6 7 4          778
+   5 9 0      +   2 1 5      +   110
-----------    -----------    -----------
```

Worksheet 3

Use it like: classwork, homework, test

Solve

1. In a public telephone booth, 365 calls are made before noon and 189 calls are made after noon. Find the number of calls made in a day.
2. An animal care society tested 356 pet cats and 227 pet dogs. Find the total number of pet animals that participated in the medical tests.
3. The Juice Shop ordered 295 bottles of lemon juice, 196 bottles of apple juice and 112 bottles of mango juice. How many bottles in all were ordered?
4. Tina has 625 red beads and 324 silver beads for making new bracelets..How many beads in all does Tina have?

Worksheet 4

Use it like: classwork, homework, test

Match the Following:

a)	0+48	175	92 + 500
b)	112 + 63	150	71 - 23
c)	676 – 84	99	998-315
d)	54+45	592	128 + 47
e)	150-0	683	81+18
f)	615 + 68	48	101+49

Worksheet 5

Use it like: classwork, homework, test

Frame 2 additions and 2 subtraction statement for the following:

1. 80, 50, 30
2. 16, 60, 44
3. 17, 37, 54
4. 99, 21, 78

5. SOLUTIONS

This section gives you sample answers for activities and questions listed above.

Worksheet 1

a. 62
b. 53
c. 43
d. 30
e. 61
f. 24
g. 71
h. 12

Worksheet 2

```
   367
+  108
-------
   476
```

```
   219
+  230
-------
   419
```

```
   483
+   15
-------
   498
```

```
   200
+  590
-------
   790
```

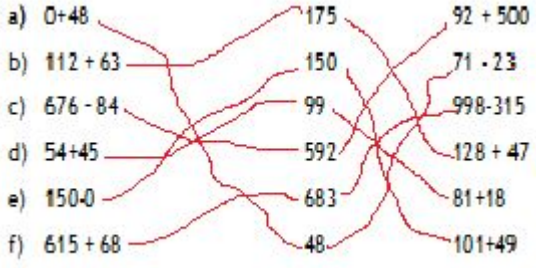
```
   674
+  215
-------
   889
```

```
   778
+  210
-------
   988
```

Worksheet 3

1. 554 calls
2. 583 pet animals
3. 603 bottles
4. 949 beads

Worksheet 4


a) 0+48
b) 112 + 63
c) 676 - 84
d) 54+45
e) 150-0
f) 615 + 68
175
150
99
592
683
48
92 + 500
71 - 23
998-315
128 + 47
81+18
101+49

Worksheet 5

1. 80, 50, 30

80 – 30 = 50
80 – 50 = 30
30 + 50 = 80
50 + 30 = 80

2. 16, 60, 44

60 – 44 = 16
60 – 16 = 44
44 + 16 = 60
16 + 44 = 60

Worksheet 5

3. 17, 37, 54

54 – 37 = 17

54 – 17 = 37

37 + 17 = 54

17 + 37 = 54

4. 99, 21, 78

99 – 21 = 78

99 – 78 = 21

78 + 21 = 99

21 + 78 = 99

6. EXTRA RESOURCES

Carry out the following suggested activities/ tasks if you have the time and resources to do them

1. https://www.youtube.com/watch?v=JFjHid8Hgek 2-digit addition- regrouping
2. https://www.youtube.com/watch?v=ayFAh4VNMFA 2-digit addition
3. https://www.youtube.com/watch?v=cE-yrJv4TEs 3 digit addition song