CHAPTER: Numbers Ten to Twenty

Grade: **1**
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.>

1. Knowledge of this chapter is very important in developing a sense of numbers 10-20

2.

LEARNING OUTCOMES

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

1. Recognise, speak and write numbers from 10 to 20.
2. Compare numbers up to 20.
3. Add and subtract numbers up to 20.

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

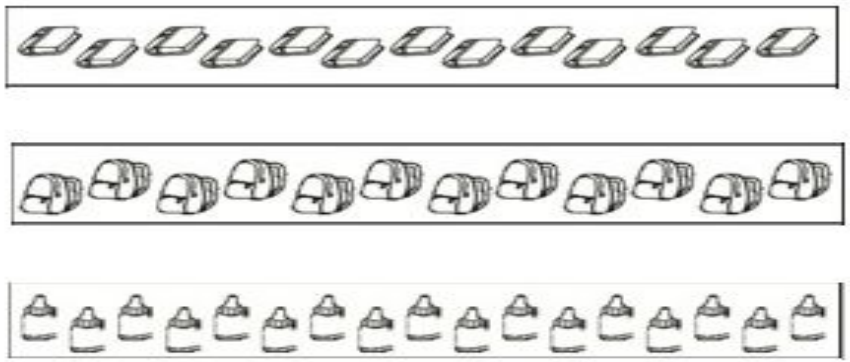
Subtopic: Bundle of Ten
LO: Recognise, speak and write numbers from 10 to 20.

1. To make student observe and arrange the collection of objects in bundles of ten

Teacher Activity

1. Ask the children to keep their pencils on the teacher's table.
2. Make bundles of ten pencils and put a rubber-band on the bundle.
3. Then ask the students to keep their notebooks on the teacher's table.
4. Make stacks of 10 notebooks each.
5. Explain that they will be learning to count in tens in this chapter.

Check for understanding:
Circle and make group of 10.



Subtopic and Learning Objective #1

Subtopic: Bundle of Ten
LO: Recognise, speak and write numbers from 10 to 20.

2.To make students recognize and speak numbers from 10 to 20

Teacher Activity

1. Draw 15 squares on the board.
2. Circle 10 squares and underline the rest.
3. Explain and write

   1 tens plus 5 = 15

4. Give similar examples for other numbers from 10 to 20.

Resources Suggested

Blackboard, pen and paper

Teacher Activity

Name of the activity- Sing, Act and Count
Type of activity – Group
Use it for – Learning numbers 1 to 20
Materials –
Procedure:
Instructions to the teacher:

1. Make the students stand in a circle.
2. Teach them the actions as described in the poem.
3. Now sing the poem loudly with the children and let the children dramatize the poem.

Teacher Activity

A Counting We Will Go

Lyrics By: Brian Haner, Sung to the tune of *A Hunting We Will Go*

LYRICS	MOVEMENTS
Chorus **A counting we will go.** **A counting we will go.** **We'll count each item one by one and put them in a row.**	***Chorus*** Have children march together in a big circle to the beat while singing the words.
Let's count to number 5. Let's count to number 5. Let's count the fishes up to **five**. **1 . . . 2 . . . 3 . . . 4 . . . 5.**	While marching hold up 5 fingers. Everyone say "***five***" loud with song. Jump in place 5 times to beat while counting with song and holding up each number with fingers.
Repeat Chorus	***Repeat Chorus Movements***
Let's count to number 10. Let's count to number 10. Let's count the turtles up to **ten**. **1 . . . 2 . . . 3 . . . 4 . . . 5 . . .** **6 . . . 7 . . . 8 . . . 9 . . .10.**	While marching hold up 10 fingers. Everyone say "***ten***" loud with song. Jump in place 10 times to beat while counting with song and holding up each number with fingers.
Repeat Chorus	***Repeat Chorus Movements***
Let's count to number 15. Let's count to number 15. Let's count the flowers up to **fifteen**. **1 . . . 2 . . . 3 . . . 4 . . . 5 . . . 6 . . . 7 . . . 8 . . .** **9 . . .10 . . .11 . . .12 . . . 13 . . .14 . . .15.**	While marching hold up 10 then 5 fingers. Everyone say "***fifteen***" loud with song. Jump in place 15 times to beat while counting with song and holding up each number with fingers.
Repeat Chorus	***Repeat Chorus Movements***
Let's count to number 20. Let's count to number 20. Let's the tents up to **twenty**. **1 . . . 2 . . . 3 . . . 4 . . . 5 . . . 6 . . . 7 . . .** **8 . . . 9 . . .10 . . .11 . . .12 . . .13 . . .14 . . .** **15 . . .16 . . .17 . . .18 . . . 19 . . . 20.**	While marching hold up 10 then 10 fingers. Everyone say "***twenty***" loud with song. Jump in place 20 times to beat while counting with song and holding up each number with fingers.

Subtopic and Learning Objective #2

Sub topic: WRITE NUMERALS 10 TO 20

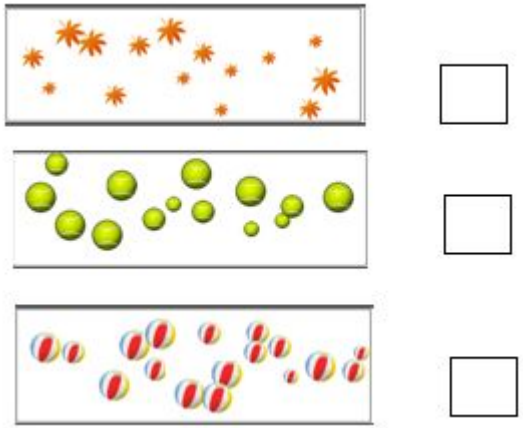
LO:
Recognise, speak and write numbers from 10 to 20.

Teacher Activity

1. Using pages 73 to 78 in the textbook identify the pictures given against each numeral and write the numeral on the board. Guide the children to trace the numerals in the text book.

Check for understanding:

Count and Tell



Resources Suggested

Blackboard, pen and paper

Subtopic and Learning Objective #2

Sub topic: MORE OR LESS
LO: Compare numbers up to 20.

1. To make student understand and differentiate between groups of objects using words more and less.

Teacher Activity

1. Draw 13 circles on one side of the board and draw 15 circles on the other side of the board. Explain the concept of less and more. Repeat by drawing 12 squares on one side and 14 squares on the other side and ask the students which is more and which is less.

Check for understanding:
Draw the following on board and ask students to tell which is more

a. 18 lines or 19 lines
b. 16 trees or 17 trees
c. 12 birds or 9 bird

Resources Suggested

Blackboard, pen and paper

Subtopic and Learning Objective #2

Sub topic: MORE OR LESS
LO: Compare numbers up to 20.

1. To make student understand and differentiate between groups of objects using words more and less.

Teacher Activity

a. Write the following: 12 14; Ask the children which is bigger?
b. Now write: 9 11; Ask the children which is smaller?
c. Now write: 15 10 20; Ask the children which is smallest and which is biggest?

Activity 2 can be performed to make class understand how to make groups.

Check for understanding:
Tick the smallest number and circle the biggest number

10, 6, 4, 1 13, 14, 20, 18 7, 17, 2, 12

Resources Suggested

Blackboard, pen and paper

Activity

Name of the activity- Let's make a group
Type of activity – Group
Use it for – Learning numbers 1 to 20
Materials –
Procedure:
Instructions to the teacher:

1. Take the children to the playground.
2. Make a boundary and tell the children that they need to keep moving inside the boundary when you say "WALK".
3. You will then be calling out numbers between 1 and 20 randomly. The students need to make one group of the number called out. Rest of the students will go and stand outside the circle.
4. Now call out and say "Bigger" or "Smaller"
5. The students outside the circle will make groups according to the command given.
6. Those who are left need to run to you.
7. Again you say "WALK" and the children start walking.
8. Repeat till all numbers have been called out.

Subtopic and Learning Objective #3

Sub topic: BEFORE, AFTER, IN-BETWEEN

LO: Compare numbers up to 20.

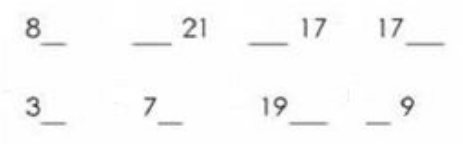
To make the student find the numbers which come before, after and in-between the given numbers.

Teacher Activity

1. Write ___ 12 ____; ask the children to help you find what comes before 12 and what comes after.
2. Write 9 _ _ _ 13; Ask the children to speak out the numbers that come in-between 9 and 13.
3. Write 17 _ _ 14; ask the children to do reverse counting and speak out the missing numbers.

Check for understanding:

1. What comes before? What comes after?



1. Counting by 1 (Forward and Backward)

14				18
19				15

Resources Suggested

Blackboard, pen and paper

Subtopic and Learning Objective #4

Sub topic: ADDITION

LO: Add and subtract numbers up to 20.

1. To make student add numbers from 0 to 20

Teacher Activity

. Draw 2 flowers on one side and draw 9 flowers on the other side. Ask the students to count and add. You can write:

2 + 9 = 11

```
   2
+  9
----------
  11
----------
```

2. Draw 12 lines on one side and draw 5 lines on the other side. Ask the students to count and add. You can write:

12 + 5 = 17

```
  1 2
+   5
----------
  17
----------
```

Check for understanding:

Teacher Activity

$$\begin{array}{r} 9 \\ +\ 8 \\ \hline \end{array} \qquad \begin{array}{r} 11 \\ +\ 5 \\ \hline \end{array} \qquad \begin{array}{r} 10 \\ +\ 9 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ +\ 5 \\ \hline \end{array}$$

Subtopic and Learning Objective #4

Sub topic: ADDITION

LO: Add and subtract numbers up to 20.

2.To make students solve simple word problems.

Teacher Activity

1. Ask the students the following:

If Raj has 8 pencils and Sia 9 pencils, how many pencils do they have altogether?

2. Solve

Raj = 8 pencils
Sia = 9 pencils
Total = 8 + 9 = 17 pencils

Check for understanding:

1. Mother gave Appu 4 ladoos. Grand mother gave Appu 12 ladoos. How many ladoos does Appu have?
2. Sahil has 15 toffees. Raju has 2 toffees. How many toffees do they have altogether?

Subtopic and Learning Objective #5

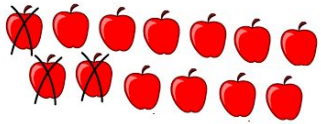
Sub topic: Subtraction

LO: Add and subtract numbers up to 20.

1. To make student subtract using numbers from 0 to 20

Teacher Activity

Draw the following



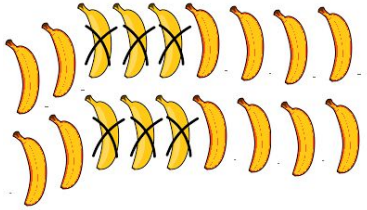
Ask the students to count and subtract. You can write:

13 - 3 = 10

```
  13
-  3
----
  10
----
```

Teacher Activity

2 Draw the following



Ask the students to count and subtract. You can write:

18 - 6 = 12

```
  18
-  6
----
  12
----
```

Resources Suggested

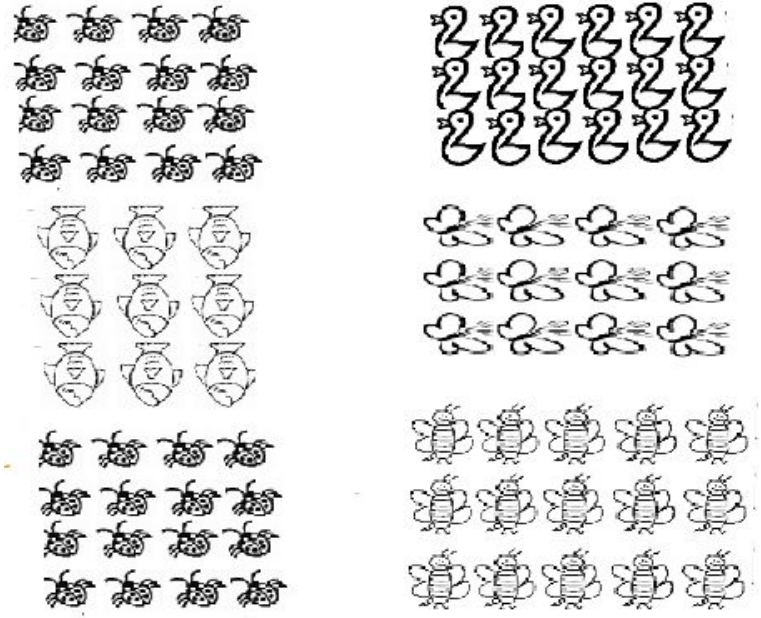
Blackboard, pen and paper

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.

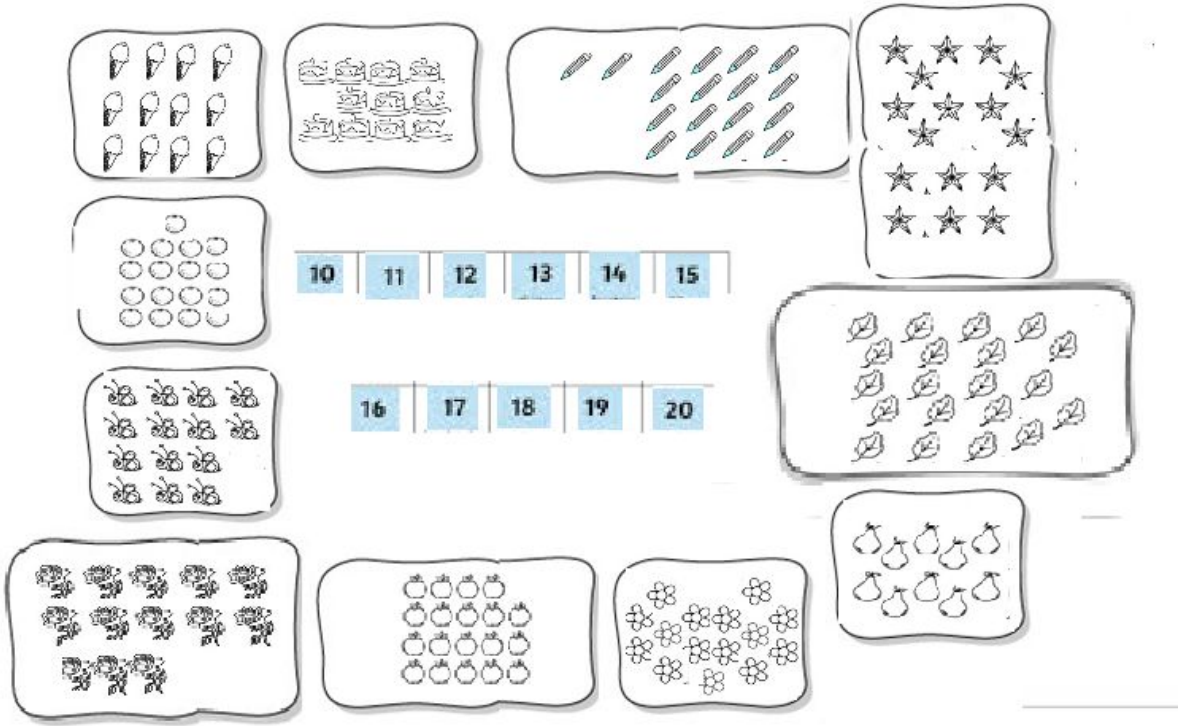
Worksheet 1

Colour more with red and less with blue



Worksheet 2

Match the numbers with pictures



Worksheet 3

What comes before? What comes after?

_ 3	2 _	___ 11	___ 20
8 _	9 _	___ 17	17 ___
3 _	7 _	19 ___	_ 9

Worksheet 4

Counting by 1 (Forward and Backward)

14				18
19				15
11				15
15				11
16				20
16				12

Worksheet 5

6 + 5	19 - 11	10 + 8	13 - 11	19 - 19
13 + 5	18 - 0	7 - 2	11 + 0	15 - 14
12 + 4	15 + 5	13 - 9	16 + 3	20 - 19

Worksheet 6

Read and solve:

1. Hina has 6 yellow ribbons and 12 blue ribbons. How many ribbons does Hina have?

2. Mother made 18 cupcakes. Manish ate 5 cupcakes. How many cupcakes were left?

3. Geeta has a collection of 15 dolls. Fatima gave her 2 more dolls. How many dolls does Geeta have now?

4. Sri’s saw 20 pigeons sitting on the tree. As he came nearer to the tree, 11 pigeons flew away. How many pigeons were now sitting on the tree?

5. SOLUTIONS

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

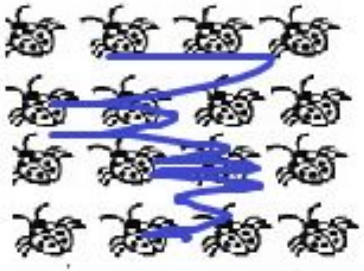
Worksheet 1

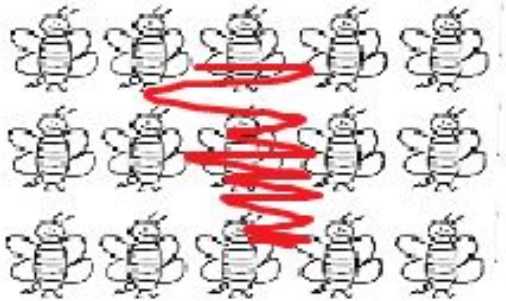




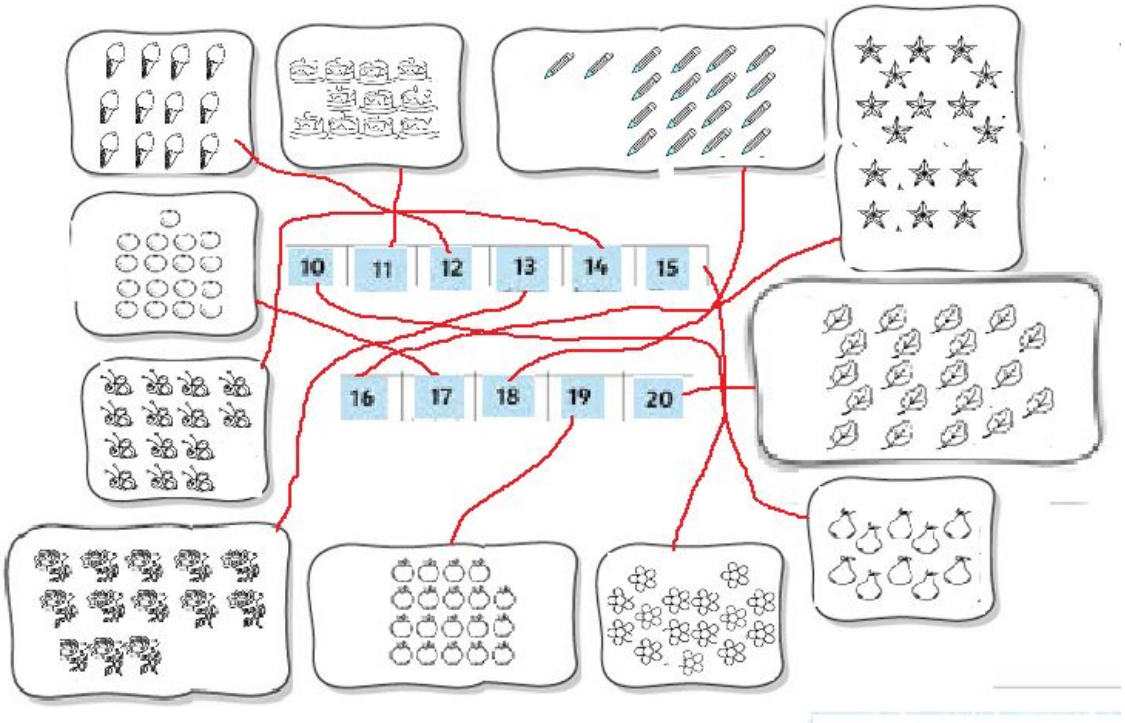








Worksheet 2



Worksheet 3

2 3	2 3	10 11	19 20
8 9	9 10	16 17	17 18
3 4	7 8	19 20	8 9

Worksheet 4

14, 15, 16, 17, 18

19, 18, 17, 16, 15

11, 12, 13, 14, 15

15, 14, 13, 12, 11

16, 17, 18, 19, 20

16, 15, 14, 13, 12

Worksheet 5

6 + 5 = 11	19 - 11 = 8	10 + 8 = 18	13 - 11 = 2	19 - 19 = 0
13 + 5 = 18	18 - 0 = 18	7 - 2 = 5	11 + 0 = 11	15 - 14 = 1
12 + 4 = 16	15 + 5 = 20	13 - 9 = 4	16 + 3 = 19	20 - 19 = 1

Worksheet 4

1. 18 ribbons
2. 13 cupcakes
3. 17 dolls
4. 9 pigeons

6. EXTRA RESOURCES

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

Teacher can use these videos if time and facilities permit:

1. https://www.youtube.com/watch?v=wiGEEJLLKd8 Counting 10 to 20
2. https://www.youtube.com/watch?v=D0Ajq682yrA Counting 1 to 20
3. https://www.youtube.com/watch?v=uK7I3PvnCnA Addition
4. https://www.youtube.com/watch?v=HdgE5vENuCI Subtraction