



# DOON PUBLIC SCHOOL, SHIVPURI

## Syllabus - 2023 - 24

**Class: 1**

**Subject: Mathematics**

**Prescribed Books: Living Maths by Ratna Sagar**

S. No.	Internal Assessment	Max. Marks	Weightage
<b>Term - 1</b>			
1	<b>Periodic Test 1: (July)</b> Lesson 1: Numbers up to 20 Lesson 4: Shapes and patterns Table of 2	10	5
2	<b>Weekly Test 1</b>	10	5
3a)	<b>Notebook Assessment</b>	5	10
3b)	<b>Art Integrated Learning (AIL)/ Subject Enrichment Activity (SEA)</b>	5	
<b>Total (Internal Assessment): 20</b>			
4	<b>Half Yearly Examination</b> Lesson 2: Addition up to 10 Lesson 3: Subtraction up to 10 Lesson 7: Measurement Table of 3, 4, 5	30	30
<b>Term - 1 Result: Internal Assessment + Half Yearly Exam = Total</b> <b>20 + 30 = 50</b>			

<b>S. No.</b>	<b>Internal Assessment</b>	<b>Max. Marks</b>	<b>Weightage</b>
<b>Term – 2</b>			
1	<b>Periodic Test 2: (December)</b> Lesson 5: Addition and subtraction up to 20 Lesson 6: Numbers up to 50 Table 6	10	5
2	<b>Weekly Test 2</b>	10	5
3a)	<b>Notebook Assessment</b>	5	10
3b)	<b>Art Integrated Learning (AIL)/ Subject Enrichment Activity (SEA)</b>	5	
<b>Total (Internal Assessment): 20</b>			
4	<b>Yearly Examination</b> Lesson 8: Numbers up to 100 Lesson 9: Addition and subtraction up to 100 Lesson 10: Learn to multiply Lesson 11: Time Lesson 12: Money Lesson 13: Data handling Tables of 7, 8, 9	30	30
<b>Term – 2 Result: Internal Assessment + Yearly Exam = Total</b> 20 + 30 = 50			
<b>ANNUAL RESULT = Term1 + Term2 = Total</b> 50 + 50 = 100			

## Teaching methodology

### Periodic test 1

**Write table of 2 in the notebook and learn**

#### **Chapter 1: Numbers up to 20**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Write number names one to twenty and learn
  - Worksheets for home practice in the notebook

#### **Before and After Numbers (1-20)**

Write the numbers that come before and after.

	12	
--	----	--

	19	
--	----	--

	5	
--	---	--

	14	
--	----	--

	17	
--	----	--

	2	
--	---	--

	10	
--	----	--

	7	
--	---	--

	8	
--	---	--

	15	
--	----	--

Q. Write the numbers that comes in between.

1. 1  3

6. 11  13

2. 7  9

7. 3  5

3. 16  18

8. 9  11

4. 5  7

9. 12  14

5. 2  4

10. 17  19

Compare each set of numbers. Write the correct symbol in the box ( <, > or = )

Greater than >, Less than <, Equal to =

$5 \square 3$

$7 \square 16$

$8 \square 12$

$6 \square 6$

$17 \square 8$

$9 \square 12$

$13 \square 13$

$20 \square 15$

$3 \square 2$

$10 \square 20$

Select the biggest number  
in each row

3    2    8    5

2    9    1    6

7    2    3    5

2    3    1    6

4    9    7    10

Select the smallest number  
in each row

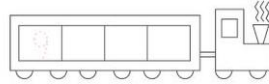
3    2    8    5

2    9    1    6

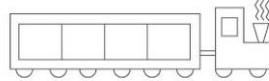
7    2    3    5

Order each set of numbers from the smallest to the greatest.

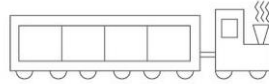
12, 18, 14, 9



6, 16, 19, 19

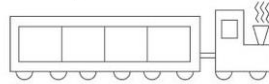


13, 20, 12, 4

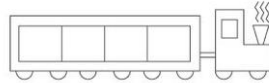


Order each set of numbers from the greatest to the smallest

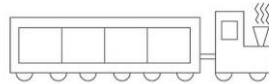
2, 11, 17, 15



18, 14, 15, 12



5, 13, 17, 9



## Chapter 4: Shapes and patterns

- Explain the concept and do all the exercises in the book
- Do worksheet in the book
- Do the following in the notebook:
  - Fill in the blank:
    1. Circle do not have a side
    2. Square have four equal sides
    3. Rectangle have four sides
    4. Triangle have three sides
    5. Oval is like an egg
  - Worksheet for home practice in the notebook

Complete the shape pattern.

1)						
2)						
3)						
4)						
5)						
6)						
7)						
8)						

## Half yearly

Write the table of 3, 4 and 5 in the notebook and learn

### Chapter 2: Addition up to 10

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

Name \_\_\_\_\_

#### Vertical Addition

Add the numbers. Write the answer under the line.



$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$
$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$
$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$
$$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$
$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$
$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$
$$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$
$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$
$$\begin{array}{r} 5 \\ + 0 \\ \hline \end{array}$$
$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

Add the numbers and write down the correct answer.

$$\begin{array}{r} 2 \\ 4 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ + 2 \\ \hline \end{array}$$

➤ Write Ex. G Q2 and Q4 in the notebook and practice

➤ Write Ex. H Q2 and Q3 in the notebook and practice

### Chapter 3: Subtraction up to 10

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

Subtraction (1-10)



10	-	3	=	<input type="text"/>
6	-	4	=	<input type="text"/>
8	-	5	=	<input type="text"/>
9	-	2	=	<input type="text"/>
7	-	5	=	<input type="text"/>
8	-	4	=	<input type="text"/>
9	-	5	=	<input type="text"/>
4	-	2	=	<input type="text"/>
6	-	0	=	<input type="text"/>
7	-	7	=	<input type="text"/>
7	-	3	=	<input type="text"/>

Subtract the numbers and write down the correct answer.

5
- 2
-----

3
- 2
-----

5
- 4
-----

7
- 2
-----

4
- 1
-----

7
- 3
-----

9
- 7
-----

9
- 5
-----

5
- 4
-----

8
- 5
-----

- Write Q1 and Q4 (page 45) in the notebook and practice

### Chapter 7: Measurement

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do worksheet in the book

### Periodic test 2

**Write table of 6 in the notebook and learn**

### Chapter 2: Addition and subtraction up to 20

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

$$12 + 6 = \square$$

$$10 + 8 = \square$$

$$11 + 5 = \square$$

$$3 + 11 = \square$$

$$9 + 8 = \square$$

$$7 + 10 = \square$$

$$15 + 1 = \square$$

$$\begin{array}{r} 18 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 11 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 12 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ + 4 \\ \hline \end{array}$$



$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ - 7 \\ \hline \end{array}$$

## Chapter 6: Numbers up to 50

- Explain the concept and do all the exercises in the book
- Write the number names Twenty, Thirty, Forty and Fifty 2 times in the notebook and learn
- Write the number names Twenty-one to thirty in the notebook and learn
- Write the number names Thirty-one to Forty in the notebook and learn
- Write the number names Forty-one to Fifty in the notebook and learn
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

Put > < or = sign

- |               |               |
|---------------|---------------|
| 1) 15 ___ 18  | 11) 31 ___ 25 |
| 2) 20 ___ 14  | 12) 46 ___ 38 |
| 3) 12 ___ 12  | 13) 37 ___ 39 |
| 4) 17 ___ 20  | 14) 41 ___ 41 |
| 5) 24 ___ 32  | 15) 39 ___ 43 |
| 6) 27 ___ 16  | 16) 50 ___ 37 |
| 7) 19 ___ 12  | 17) 26 ___ 22 |
| 8) 11 ___ 16  | 18) 50 ___ 80 |
| 9) 18 ___ 18  | 19) 24 ___ 37 |
| 10) 24 ___ 20 | 20) 70 ___ 40 |

## Yearly exam

**Write table of 7, 8 and 9 in the notebook and learn**

### **Chapter 8: Numbers up to 100**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Write the number names Sixty, Seventy, Eighty, Ninety and Hundred 2 times in the notebook and learn
- Write the number names Sixty -one to Seventy in the notebook and learn
- Write the number names Seventy -one to Eighty in the notebook and learn
- Write the number names Eighty -one to Ninety in the notebook and learn
- Write the number names Ninety -one to Hundred in the notebook and learn
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

Before	Between	After
__ 8	1 __ 3	6 __
__ 17	20 __ 22	13 __
__ 12	8 __ 10	29 __
__ 1	14 __ 16	34 __
__ 20	31 __ 33	17 __
__ 44	19 __ 21	42 __
__ 65	11 __ 13	39 __

Arrange the numbers from **biggest** to **smallest**. Type your answers in the box.

1.) 23, 4, 98, 56

2.) 110, 27, 6, 45

3.) 97, 89, 62, 53

4.) 93, 7, 14, 36

## Chapter 9: Addition and subtraction up to 100

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Do the following in the notebook:
  - Worksheets for home practice in the notebook

Sum of two 2-digit numbers  
without carry

$\begin{array}{r} 20 \\ +18 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +20 \\ \hline \end{array}$
$\begin{array}{r} 15 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ +40 \\ \hline \end{array}$
$\begin{array}{r} 56 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ +30 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ +24 \\ \hline \end{array}$
$\begin{array}{r} 15 \\ +73 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ +16 \\ \hline \end{array}$

Remember to subtract the ones first and then the tens.

1) $\begin{array}{r} 37 \\ - 12 \\ \hline \end{array}$	2) $\begin{array}{r} 51 \\ - 10 \\ \hline \end{array}$	3) $\begin{array}{r} 42 \\ - 20 \\ \hline \end{array}$
--	--	--

4) $\begin{array}{r} 25 \\ - 13 \\ \hline \end{array}$	5) $\begin{array}{r} 33 \\ - 21 \\ \hline \end{array}$	6) $\begin{array}{r} 43 \\ - 22 \\ \hline \end{array}$
--	--	--

7) $\begin{array}{r} 25 \\ - 12 \\ \hline \end{array}$	8) $\begin{array}{r} 26 \\ - 21 \\ \hline \end{array}$	9) $\begin{array}{r} 42 \\ - 11 \\ \hline \end{array}$
--	--	--

10) $\begin{array}{r} 44 \\ - 23 \\ \hline \end{array}$	11) $\begin{array}{r} 34 \\ - 23 \\ \hline \end{array}$	12) $\begin{array}{r} 53 \\ - 33 \\ \hline \end{array}$
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- Write following word problem in the notebook and practice

1. Ex E Q 3

2. Ex G Q 2 and Q 5

**Chapter 10: Learn to multiply**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Write table of 2 to 9 in the notebook and learn

**Chapter 11: Time**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book
- Write days of the week in the notebook and learn
- Write months of the year in the notebook and learn

**Chapter 12: Money**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book

**Chapter 13: Data handling**

- Explain the concept and do all the exercises in the book
- Do math lab activity in the class
- Do mental math and worksheet in the book

**Outcome: After completing the book the students must know**

1. Table from 2 to 9
2. Number names from one to hundred
3. Addition up to 100
4. Subtraction up to 100
5. Biggest and smallest number
6. Use of  $>$ ,  $<$  and  $=$  signs
7. Before, after and between
8. Basics of shapes, pattern, measurement, time, money and data handling