

MATHEMAGIC ACTIVITY BOOK

CLASS - II

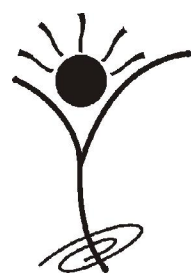
Price : Rs. 60

© Copyright reserved

Second Edition : October 2007

Published by : Eduheal Foundation, 103, Ground Floor, Taj Apartment, Near VMMC & Safdarjung Hospital, New Delhi-110029, Telefax : 011-26161014.

e.mail: info@eduhealfoundation.org, website: www.eduhealfoundation.org



EDUHEAL FOUNDATION
• LEARNING FOR LIFE •

2

CONTENTS

Topics	Page No.
■ Syllabus Guidelines	4
■ Number Name	6
■ Grid Activity	7
■ Math Mastery (Quiz-1)	9
■ Digit Investigation	10
■ Reverse The Grid	11
■ Addition Magic	12
■ Odd One Out	13
■ Second Chance	14
■ Estimate The Value	15
■ Paint The House	16
■ Learn With Fun	17
■ Value of Signs	18
■ Math Mastery(Quiz-2)	19
■ Tabulated Flower	20
■ Quick Nines	21
■ Number Line Fun	22
■ Match Three Columns	23
■ Math Mastery (Quiz - 3, 4)	24-25
■ Make a Net	26
■ Solid or Plane	27
■ Crossword Puzzle	28
■ How Many	29
■ Do You Know	30
■ Estimate The Cost	31
■ Calendar Game	32-33
■ Word Search	34
■ Date Search	35
■ Make The Balance	36
■ Time	37-38
■ Fun Time Folks, And Math Puzzles	40
■ Answers	41-42
■ Sample Questions	43-44

3



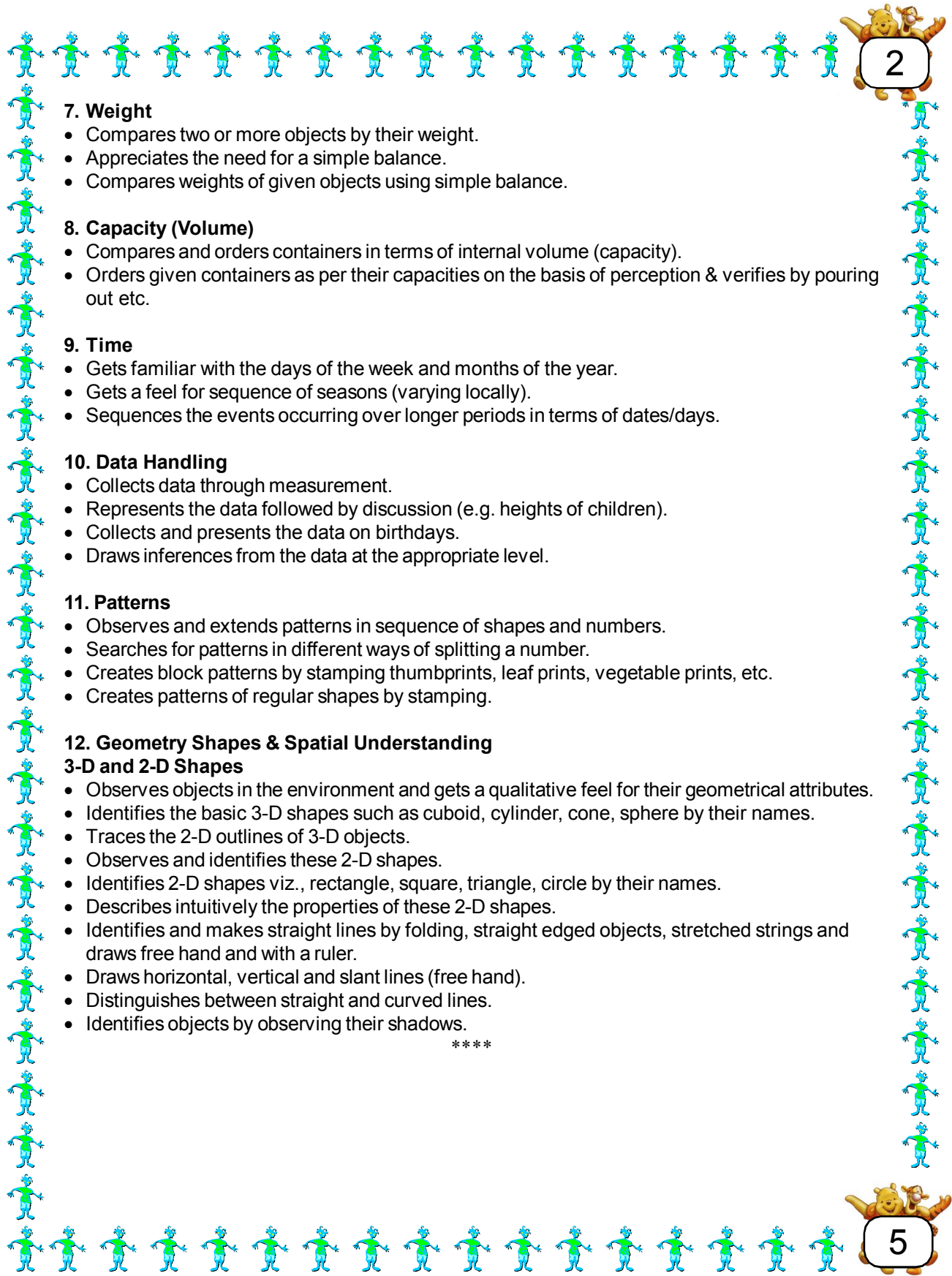
SYLLABUS GUIDELINES

CLASS - II

Based on CBSE, ICSE & GCSE Syllabus

- 1. Numbers**
 - Reads and writes numerals for numbers up to ninety-nine.
 - Expands a number with respect to place values.
 - Counts and regroups objects into tens and ones.
 - Uses the concept of place value in the comparison of numbers.
 - Counts in various ways: - Starting from any number, Group counting etc.
 - Arranges numbers upto hundred in ascending and descending order.
 - Forms the greatest and the smallest two digit numbers with and without repetition of given digits.
 - Indicates and identifies the position of an object in a line.
- 2. Addition and Subtraction**
 - Adds and subtracts two digit numbers by drawing representations of tens and ones without and with regrouping.
 - Adds zero to a number and subtracts zero from a number.
 - Observes the commutative property of addition through patterns.
 - Solves addition, subtraction problems presented through pictures and verbal description.
 - Describes orally the situations that correspond to the given addition and subtraction facts.
 - Estimates the result of addition and subtraction and compares the result with another given number.
- 3. Preparation for Multiplication & Division**
 - Discussion of situations involving repeated addition and situations involving equal sharing.
 - Activities of making equal groups.
- 4. Mental Arithmetic**
 - Adds and subtracts single digit numbers mentally.
 - Adds and subtracts multiples of ten mentally.
- 5. Money**
 - Identifies currency - notes and coins.
 - Puts together amounts of money not exceeding Rs 50/-.
 - Adds and subtracts small amounts of money mentally.
 - Transacts an amount using 3 - 4 notes.
- 6. Measurement of Length**
 - Measures lengths & distances along short & long paths using uniform (nonstandard) units, extends to longer lengths.





2

7. Weight

- Compares two or more objects by their weight.
- Appreciates the need for a simple balance.
- Compares weights of given objects using simple balance.

8. Capacity (Volume)

- Compares and orders containers in terms of internal volume (capacity).
- Orders given containers as per their capacities on the basis of perception & verifies by pouring out etc.

9. Time

- Gets familiar with the days of the week and months of the year.
- Gets a feel for sequence of seasons (varying locally).
- Sequences the events occurring over longer periods in terms of dates/days.

10. Data Handling

- Collects data through measurement.
- Represents the data followed by discussion (e.g. heights of children).
- Collects and presents the data on birthdays.
- Draws inferences from the data at the appropriate level.

11. Patterns

- Observes and extends patterns in sequence of shapes and numbers.
- Searches for patterns in different ways of splitting a number.
- Creates block patterns by stamping thumbprints, leaf prints, vegetable prints, etc.
- Creates patterns of regular shapes by stamping.

12. Geometry Shapes & Spatial Understanding

3-D and 2-D Shapes

- Observes objects in the environment and gets a qualitative feel for their geometrical attributes.
- Identifies the basic 3-D shapes such as cuboid, cylinder, cone, sphere by their names.
- Traces the 2-D outlines of 3-D objects.
- Observes and identifies these 2-D shapes.
- Identifies 2-D shapes viz., rectangle, square, triangle, circle by their names.
- Describes intuitively the properties of these 2-D shapes.
- Identifies and makes straight lines by folding, straight edged objects, stretched strings and draws free hand and with a ruler.
- Draws horizontal, vertical and slant lines (free hand).
- Distinguishes between straight and curved lines.
- Identifies objects by observing their shadows.

5



Activity work sheet



Number Name

Join the number words correctly to the number. One is done for you.

1. Eighty

2. Twenty

3. Fifty

4. Forty

5. Ninety

6. Seventy

7. Thirty

8. Sixty

a. 53

b. 72

c. 91

d. 89

e. 68

f. 47

g. 35

h. 24

A. Six

B. Nine

C. One

D. Five

E. Three

F. Seven

G. Two

H. Eight

I. Four



- | | | | | | | | | | |
|------|-----|--|--|--|-----|--|--|--|-----|
| 1000 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | 966 | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 940 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | 911 |
| 901 | 902 | | | | | | | | |

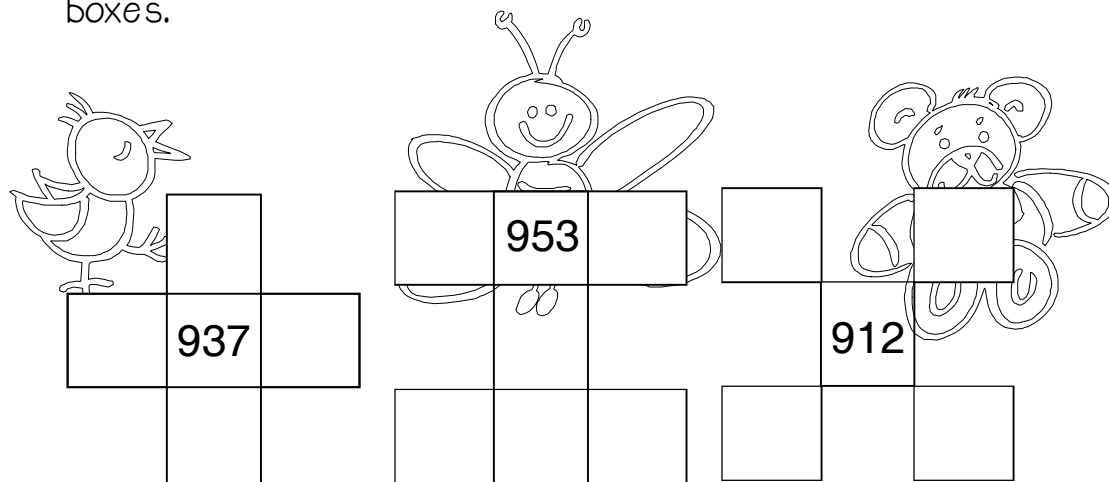
2. Colour the square yellow which has 9 hundreds 8 tens and 2 ones.
3. Colour the square green which has 9 hundreds 4 tens and zero ones.
4. Colour the square blue which has 9 hundreds 7 tens and 5 ones.



2

Activity work sheet

5. Colour the square red which has 9 hundreds 0 tens and 7 ones.
6. Colour the square black which has all the three digits same.
7. Colour the squares orange which has same digit at hundred and ones place.
8. Colour all the squares brown which has five at tens place.
9. Colour the square Pink which is largest in the grid.
10. When you write total number of days of a year.
6 Comes at place
3 Comes at place
5 Comes at place
11. Following are the pieces from the given grid. Fill the empty boxes.



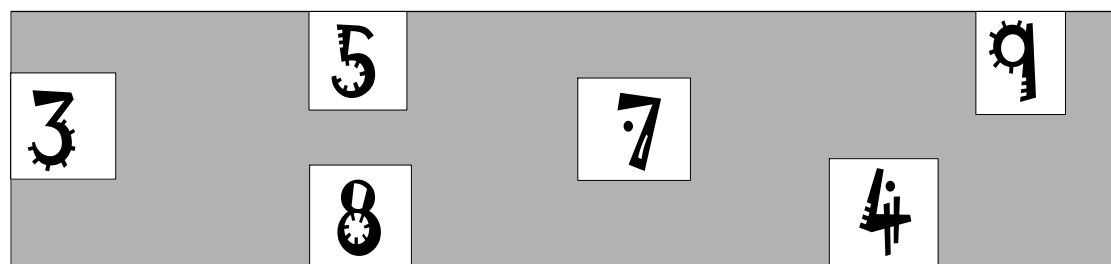
8



Activity work sheet



Digit Investigation



1. Choose two numbers which on addition gives 9.
2. Select two numbers which have a total of 7.
3. Find three numbers which equal 16 when added together.
4. Add two numbers together to make 17.
5. Add three numbers together to make 20.
6. Subtract the smallest number from the largest number.
7. What is the biggest two digit number you can make (without repetition of numbers)?
8. What is the smallest two digit number you can make?
9. Which two digits do you use to make 98?
10. What is the largest three digit number you can make?

Give your answer using the numbers given in the box above.



Activity work sheet

2

Reverse The grid

I have made hundred square on both sides of a piece of paper. One square is directly behind the other square.

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

I have a hint for you. Place a mirror in the centre of grid vertically. You will get the answer immediately.

If I get 91 at the back of 100 then what is on the back of

58

47

21

19

39

85

62

74

11