

# THE ULTIMATE Mathematics

## PREP



Name: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_

School: \_\_\_\_\_



ACCORDING TO THE SINGLE NATIONAL CURRICULUM



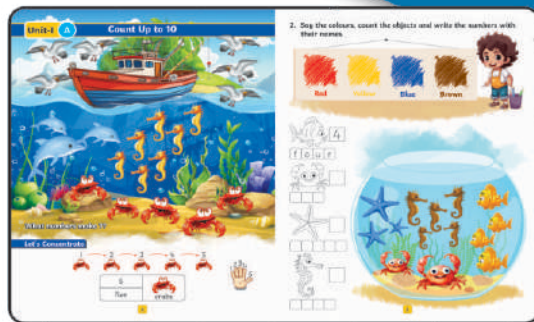
**All rights reserved.** No part of this book may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without prior written permission of the Chairman (Smartwings Publisher).



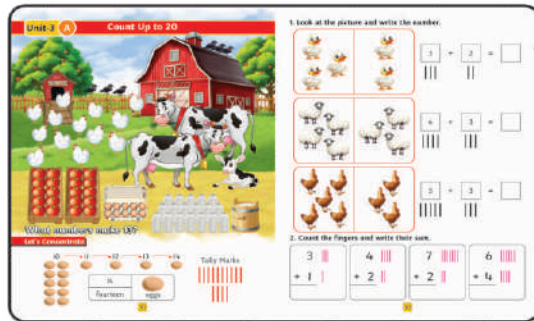
# About This Book

**The Ultimate Mathematics** is the book of Numeracy for the beginning level of **Prep**.

This book provides the opportunity for the children to explore counting sequence and number names, compare sets of real-world objects using concrete models and understand number operations of addition and subtraction through finger count, tally marks, number bonds & number lines. It also helps them to identify the size and positions of real-world objects and recognise money and clock for telling time to the nearest hours.



Explore count sequence and number names up to 50 by using objects, finger, tally marks, drawing and symbols. Use the Smart Kids App to understand the concrete models and animations.



Compare the sets formed with the specified number of objects up to 10 by using objects, fingers, tally marks, drawings and symbols. Use the SmartKids App to grasp the comparison depicted through concrete models and animations.



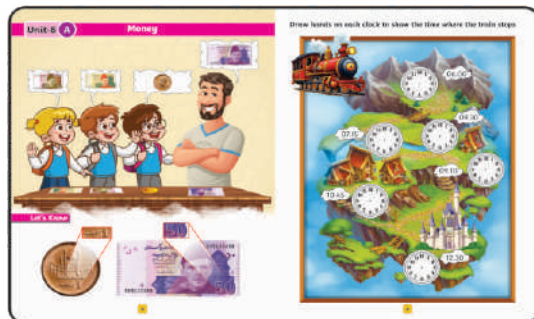
Learn to compose and decompose numbers up to 10 in more than one way. Explore addition and subtraction in various context using models, fingers and numerals. Enhance your understanding of addition and subtraction through animations on SmartKids App.



Learn about two and three dimensional shapes that make up of surfaces of real-world objects. Use the SmartKids App to understand corners, and sides of these shapes.



Learn about the positional words and relative positions of objects. Develop the ability to compare real-world objects in terms of size, length, height and weight. Use SmartKids App to develop your skills of comparison through animations.



Learn about the analog and digital clocks to identify time to the nearest hour. Use SmartKids App to explore your understanding of concepts to time and money.

## SMART RESEARCH WINGS

### Management Wing:

Iftikhar Ahmad  
Izhar Ahmad  
M. Rashid Badar

### Research & Content Wing

Aisha Amjad  
Aqsa Yousaf

### Design & Illustration Wing

M. Mansha Humayoon  
(Creative Analytic Designer)

### e-Learning Wing

M. Asif Hanif  
Bushra Arif

### Production Wing

Dot Concept Printers



41-A, Wadyala Street, Rajgarh Road, Chouburji, Lahore.

0300-8899670

info@smartwings.pub



Company's Profile



# Contents

No.	CHAPTERS	Page No.
1.	<b>Unit 1                      Module-I</b>	
2.	<b>1-A:</b> Count Up to 10	7
3.	<b>1-B:</b> Comparing Numbers	12
4.	<b>1-C:</b> Addition within 5 by Fingers	14
5.	<b>1-D:</b> Subtraction within 5 by Fingers	16
6.	<b>Unit 2</b>	
7.	<b>2-A:</b> Positions	18
8.	<b>2-B:</b> Ordinal Numbers	21
9.	<b>Unit 3                      Module-II</b>	
10.	<b>3-A:</b> Count Up to 20	24
11.	<b>3-B:</b> Comparing Numbers	29
12.	<b>3-C:</b> Addition within 10 by Tally Marks	31
13.	<b>3-D:</b> Subtraction within 10 by Tally Marks	33
14.	<b>Unit 4</b>	
15.	<b>4-A:</b> Shapes	35
16.	<b>4-B:</b> 3D Shapes	39
17.	<b>Unit 5                      Module-III</b>	
18.	<b>5-A:</b> Count up to 30	43
19.	<b>5-B:</b> Comparing Numbers	47
20.	<b>5-C:</b> Addition within 10 by Number Bonds	49
21.	<b>5-D:</b> Subtraction within 10 by Number Bonds	51
22.	<b>Unit 6</b>	
23.	<b>6-A:</b> Compare Size/Height/Length...	53
24.	<b>Unit 7                      Module-IV</b>	
25.	<b>7-A:</b> Count Up to 40	59
26.	<b>7-B:</b> Comparing Numbers	63
27.	<b>7-C:</b> Addition within 5 by Number Line	65
28.	<b>7-D:</b> Subtraction within 5 by Number Line	67
29.	<b>Unit 8</b>	
30.	<b>8-A:</b> Money/Currency	69
31.	<b>Unit 9                      Module-V</b>	
32.	<b>9-A:</b> Count Up to 50	72
33.	<b>9-B:</b> Comparing Numbers	76
34.	<b>9-C:</b> Addition within 10 by Number Line	78
35.	<b>9-D:</b> Subtraction within 10 by Number Line	80
36.	<b>Unit 10</b>	
37.	<b>10-A:</b> Time	82
38.	<b>10-B:</b> Day and Night	84
39.	<b>10-C:</b> Days, Dates and Months	86
40.		



Teacher's Bag



# Let's Count Together







# MODULE-1

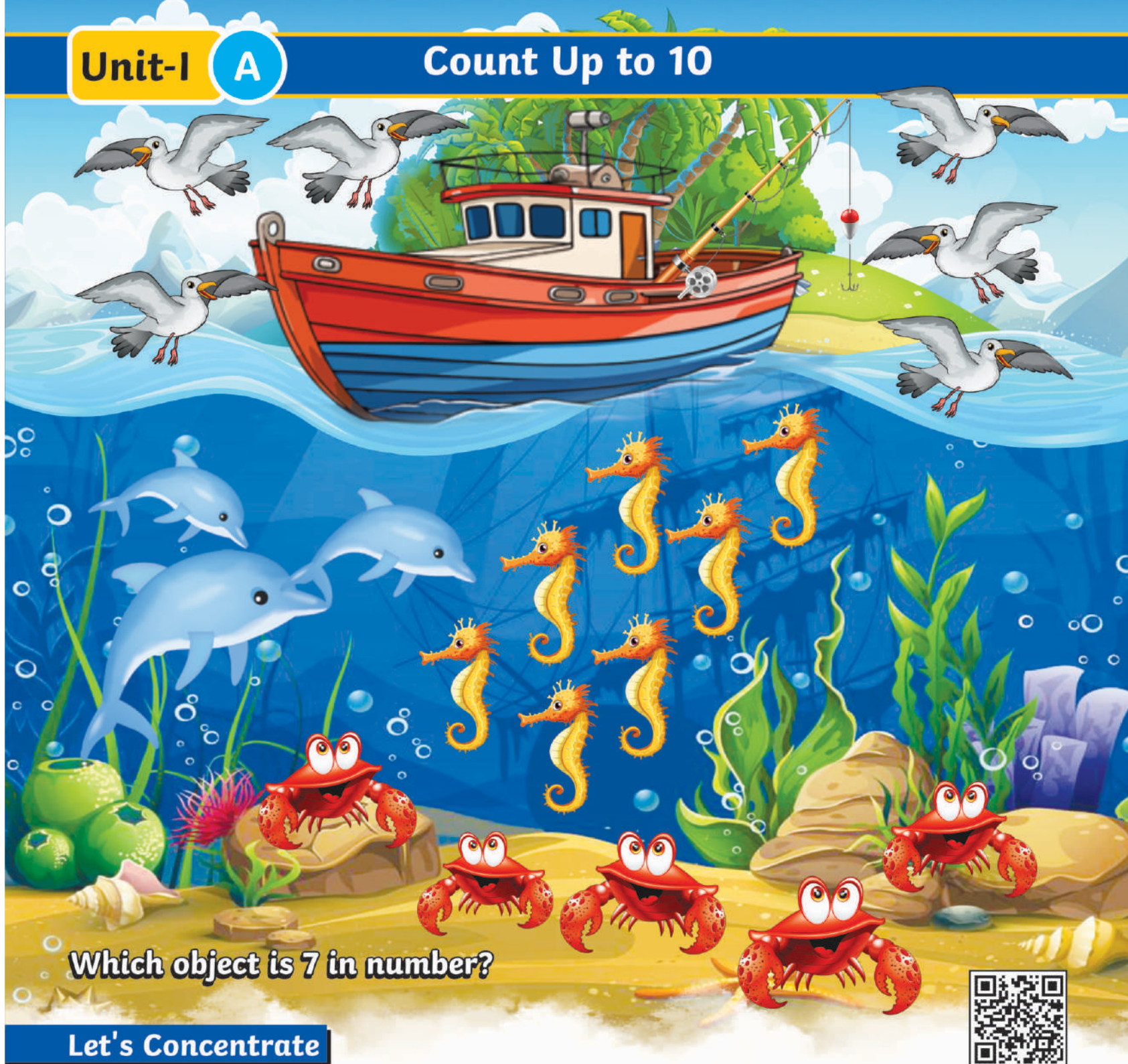
**SLO's**

**Students will be able to:**

- 1 Learn to count numbers up to 10 using symbols, objects, and fingers.
- 2 Build concept of "more", "less" or "equal" using sets of 5 objects and fingers.
- 3 Learn the process of addition and subtraction within 5 through number stories using fingers.
- 4 Learn the words to describe and compare relative positions of objects.
- 5 Identify ordinal numbers up to 10.







Which object is 7 in number?

Let's Concentrate



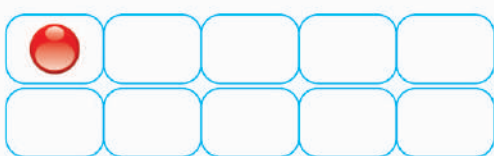
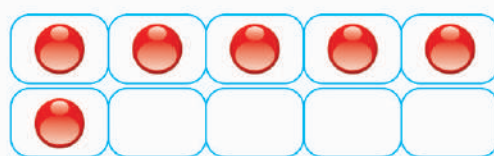
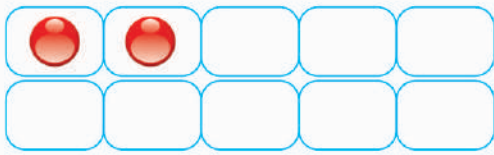
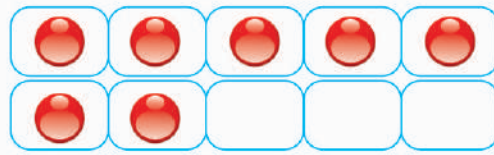
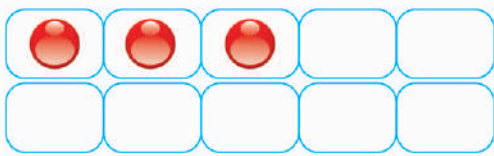
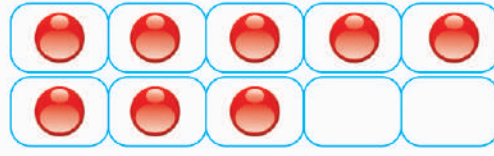
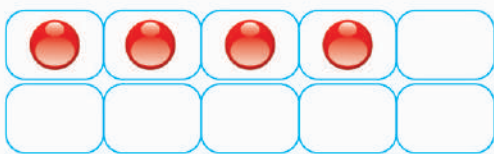
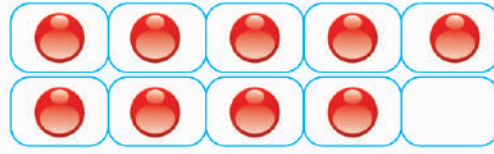
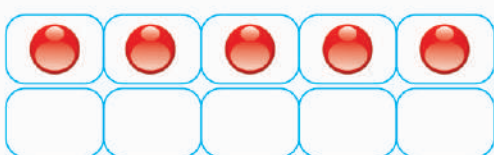
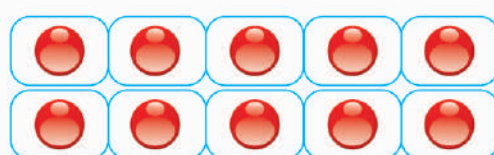
5	
five	

crabs





1. Count the dots, write the number and trace number name.

  
 one  
 six  
 two  
 seven  
 three  
 eight  
 four  
 nine  
 five  
 ten



2. Identify the colours in the colour bank. Count, colour and write the number of given objects.



Red



Yellow



Blue



Brown



2

t

w

o



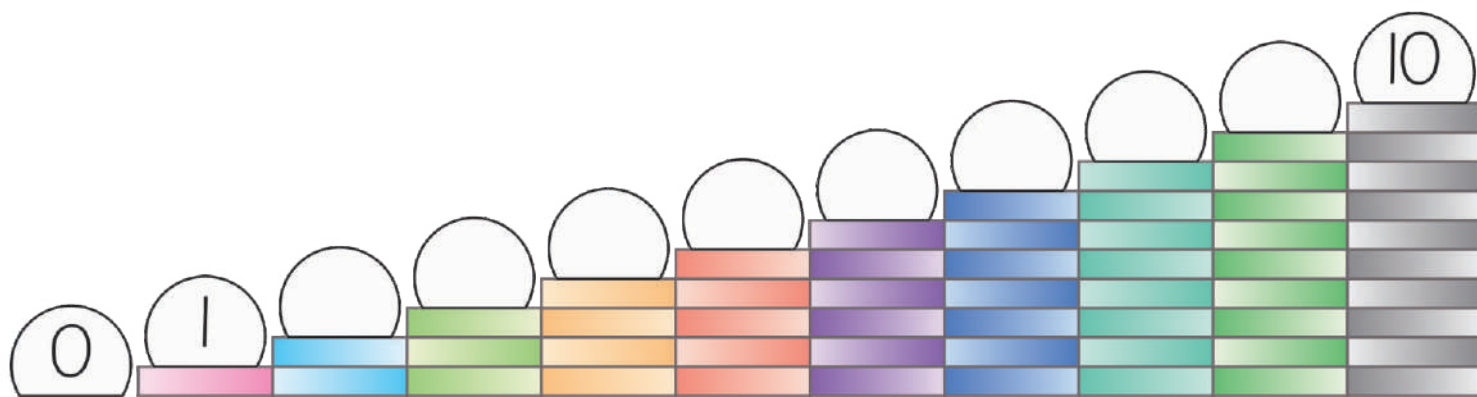
   




**3. Count forward and write the numbers in ascending order.**



**4. Count backwards and write the numbers in descending order.**

