

ACTIVE

MATHEMATICS

(Written in strict conformity with the National Curriculum Framework - 2005
prepared by NCERT and covering the New Syllabus for Schools affiliated to
Central Board for Secondary Education)

BOOK - 1

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Mathematics plays a vital role in our day to-day life. Therefore we have to consciously make any book on mathematics user-friendly.

This book has been designed for different levels. Keeping the need of the students in mind, different approaches have been used by relating the mathematical concepts to real-life situations.

The important features of this book are :

- *The book is comprehensive, colourful, attractive and child-friendly.*
- *Each text is a stepping stone to reach the next higher level.*
- *The problems given in the text help the child to identify himself to day to day situations.*
- *More than one method has been used to solve the problems to suit the comfort level of the teachers and students.*
- *Topics have been split for easier understanding to help learners overcome their fear.*
- *Plenty of practice problems have been designed to cater to all levels of learners. These practice sums help in understanding and assimilating the concept better.*
- *There is an additional section 'CHECK YOUR PROGRESS' for self-assessment.*

We hope this series will provide intense value not only for the students but also for the teachers.

– Mrs. Gita Karan

Director

Gitanjali Group of Schools





The study of mathematics has always been a challenge because of its inherently abstract nature. Numbers, measurements, counting, shapes, time and space play an important role because they have varied applications in real life situations. Mathematics impacts all fields of studies and equips young minds with reasoning and problem-solving abilities that matter in the long run.

Making mathematics easy to understand involves making concepts crystal clear to students. To apply these concepts, the development of analytical and logical thinking is necessary. **Active Mathematics** series aims to equip pupils with the requisite skills to take on the challenge of handling abstractions in mathematics. The books for the primary level help teachers to make the subject interesting and relevant. The series lays the foundation for understanding mathematics and sustaining the interest of young minds in the learning years.

The content and exercises are designed to help a child develop problem-solving techniques and perform effectively under time pressure. The series encourages students to enjoy learning and developing a curiosity about the subject. The expected learning outcome is exploring, discovering, and applying concepts learnt to challenging real-life situations.

The special features of Active Mathematics series are:

- *Lucid and simple mathematical concepts*
- *Interesting exercises to test and assess of each concept learning.*
- *Revision activities that provide a quick recap and reinforce learning*
- *Lively illustrations and examples to aid understanding*
- *Test papers to strengthen clarity of concept*



Active Mathematics series hopes to help make a challenging subject easier to teach and learn. This series is an effort to help students put their best foot forward for the challenging future ahead. Any suggestions for improvement are welcome.

We are highly indebted to Mrs. Gita Karan, Director Gitanjali group of schools, Hyderabad for her valuable support in bringing out this series.

– **Publishers**

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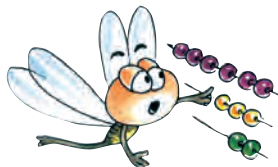
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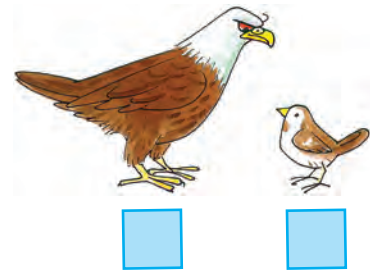
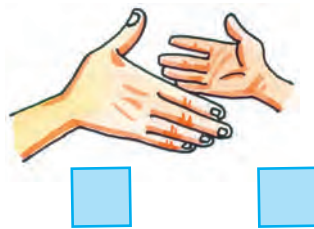
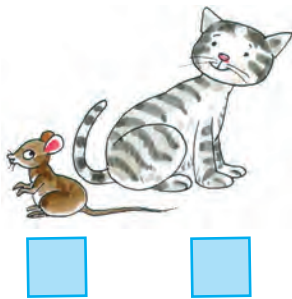
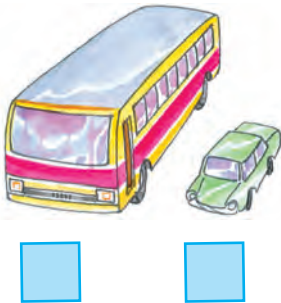
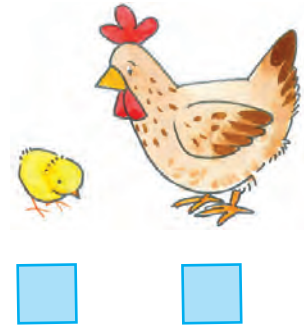
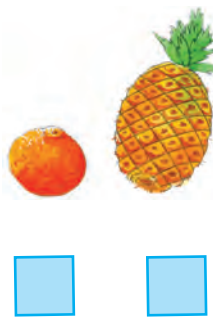
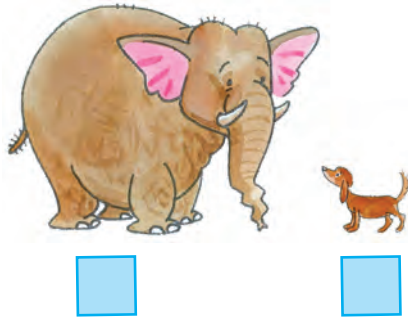




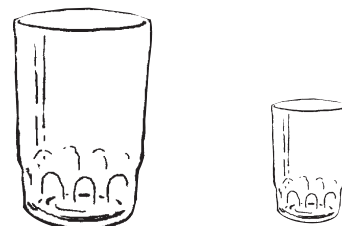
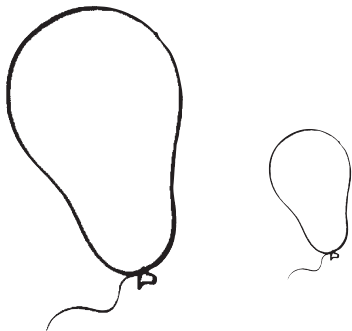
1 REVISION

BIG AND SMALL

1. Write 'B' for big and 'S' for small in the box :



2. Colour the big object pink and the small object blue :

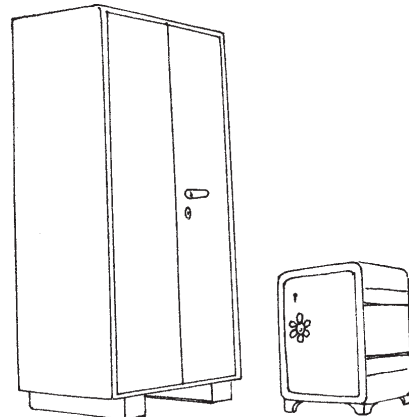
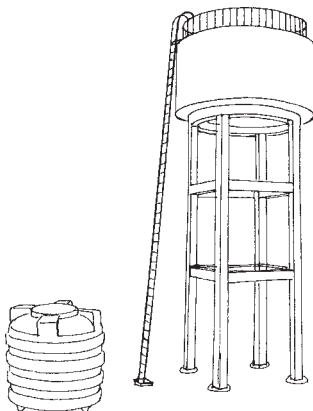


TALL AND SHORT

1. Write 'T' for tall and 'S' for short in the box :

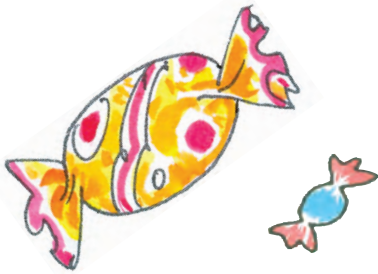
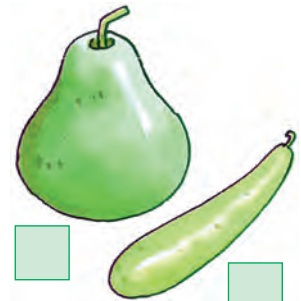
     

2. Colour the tall object red and the short object green :

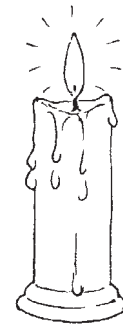
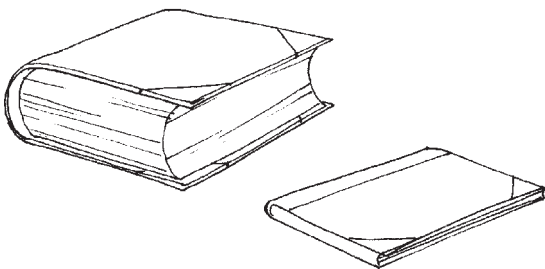


THICK AND THIN

1. Write '✓' for thick and 'x' for thin in the box :

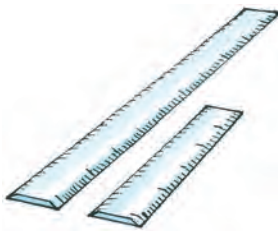
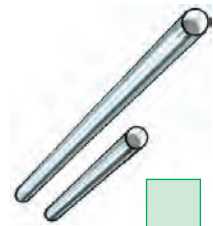
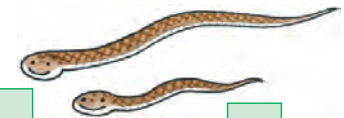
        

2. Colour the thick object pink and the thin object blue :

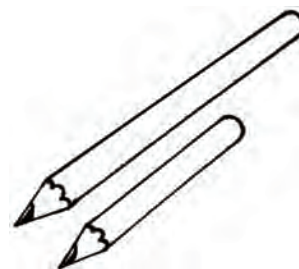


LONG AND SHORT

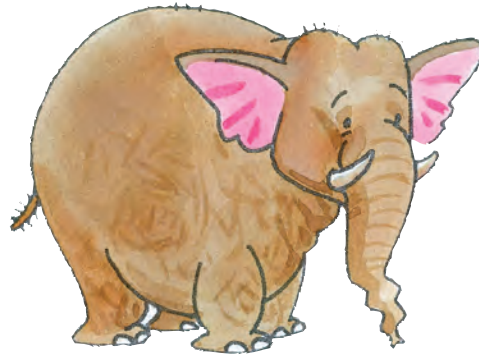
1. Write 'L' for long and 'S' for short in the box :

2. Colour the long object red and the short object green :



NUMBERS - 1 TO 5



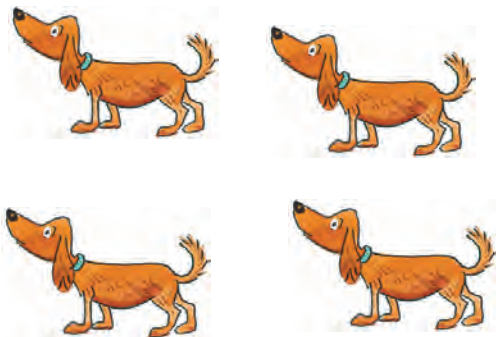
1	one
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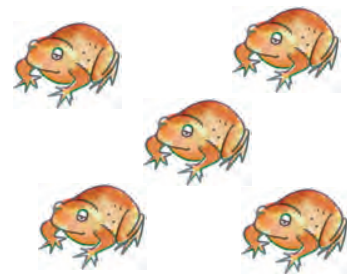
2	two
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3	three
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4	four
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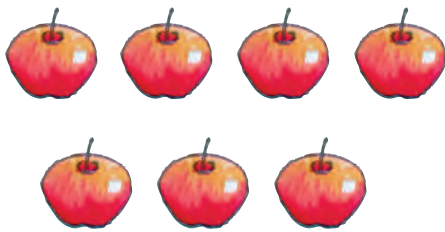


5	five
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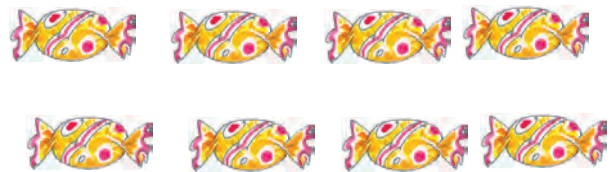
NUMBERS - 6 TO 10



6	six
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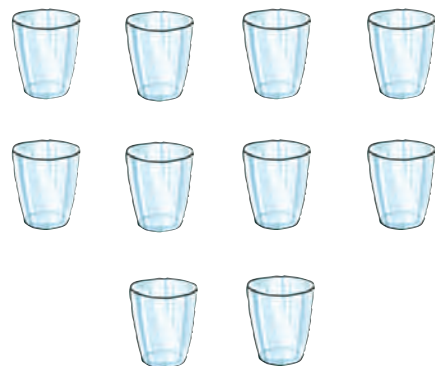
7	seven
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8	eight
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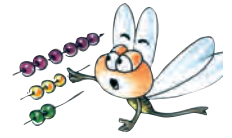


9	nine
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10	ten
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1. Count the balls and write the number in figures and in words.

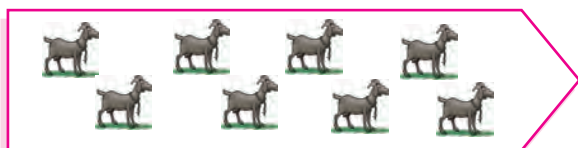
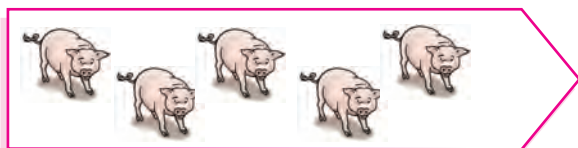
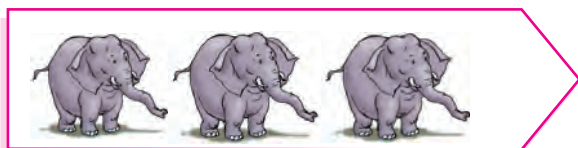


in figures

in words

	<p>5</p>	<p>five</p>

2. Match the objects to their count :



1

2

3

4

5

6

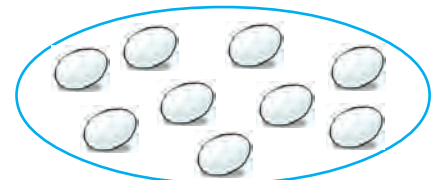
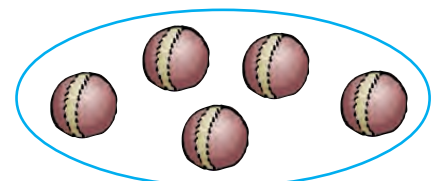
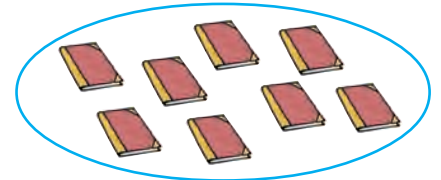
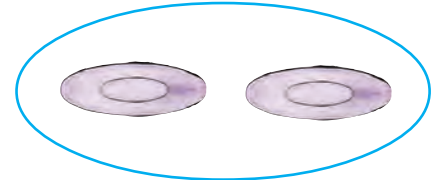
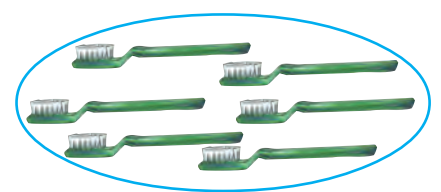
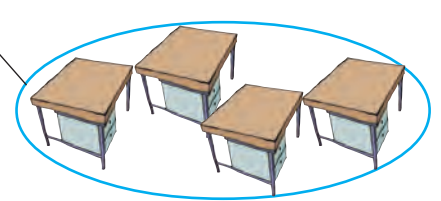
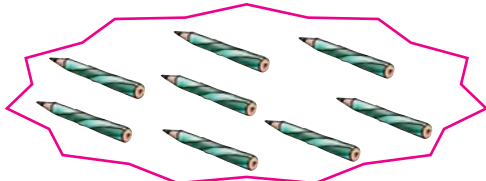
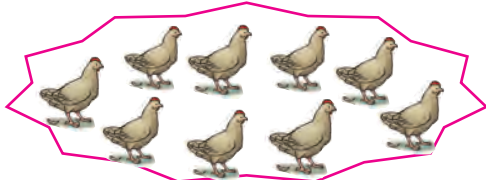
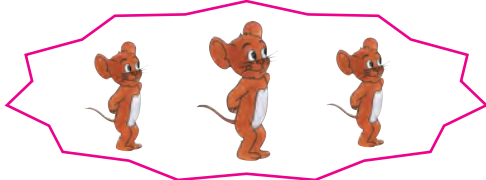
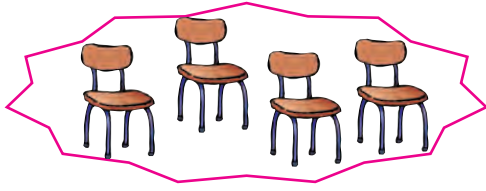
7

8

9

10

3. Match the groups having the same number of objects :



4. Count and write numbers :



5. Trace and write :

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10