



Orient BlackSwan

# New Inspired Maths

As per the CISCE Curriculum



## Syllabus recommendation

## New Inspired Maths

Gradation is very gradual in Classes 1-3 to establish a firm grounding, and picks up speed after that.

Follows syllabus closely and adheres to the principles of maths teaching—

**Easy → Difficult**

**Known → Unknown**

**Concrete → Abstract**

Activity-based approach, using teaching aids like **Unifix cubes**, **Geoboard**, **Place-value cards** specifically mentioned. **Maths Kit** given in middle school.

Activities form the backbone of concept and skill development

Includes **ALL** teaching aids mentioned in syllabus

Activities for learning by doing rather than rote learning (for example: tables specifically mentioned)

Includes activities for building tables, making measuring instruments for length and weight, and so on.

Linking maths to students' environment and real-life applications

Real-life applications emphasised

Emphasis on estimation

Techniques used for estimating sum, difference, product, quotient, and measurements in NIM 2-6

Opportunities to make their own story sums

NIM 2-5

Contemporary topics such as tangrams, tessellations, perspectives (views of an object)

Covered

# The Package

## For Students

Students' Textbooks

Primers to 8

Students' Smart App

1 to 8

## For Teachers

Solution Manuals

6 to 8

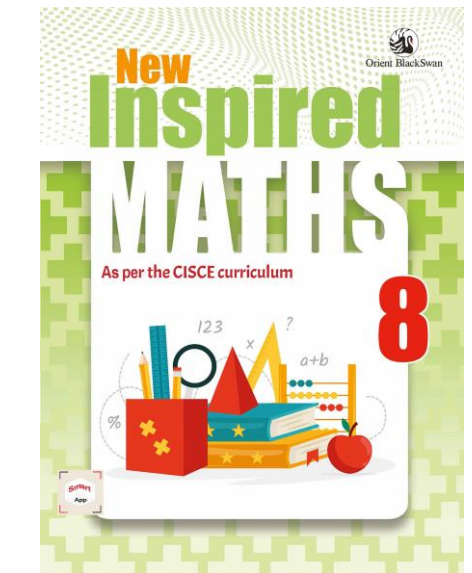
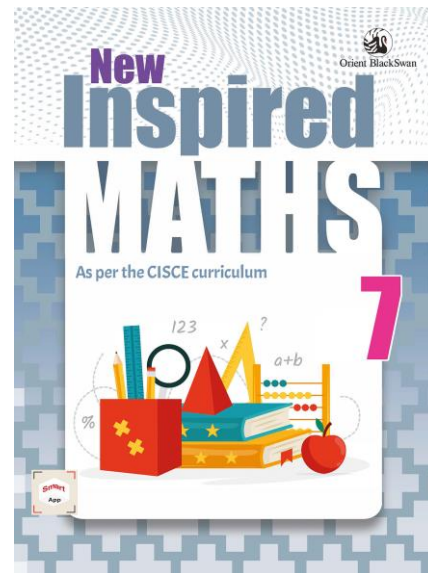
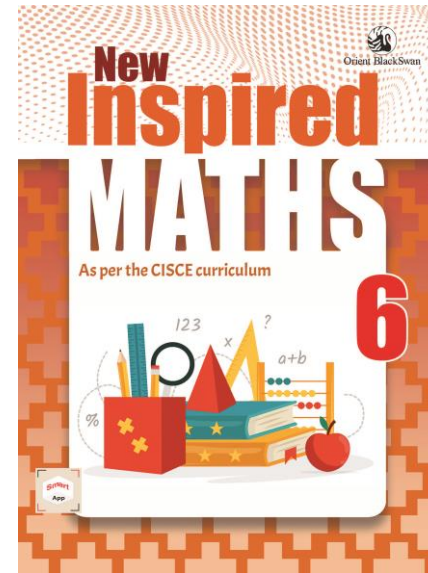
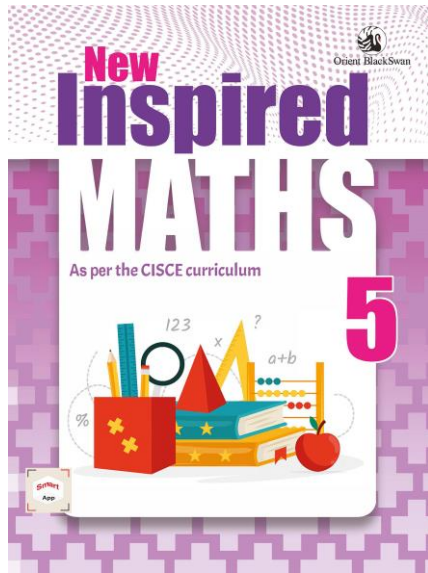
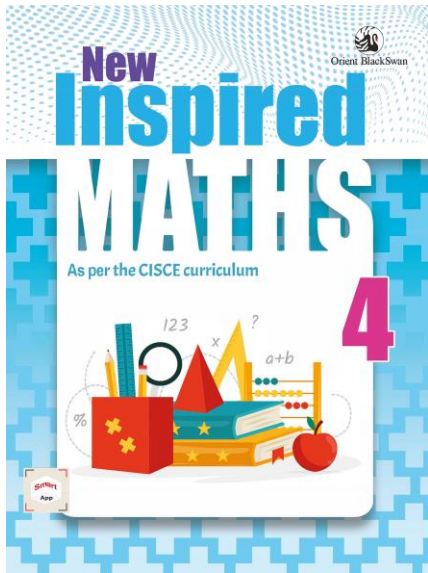
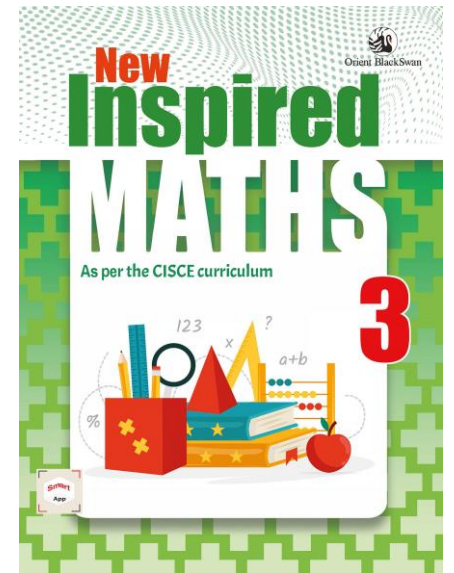
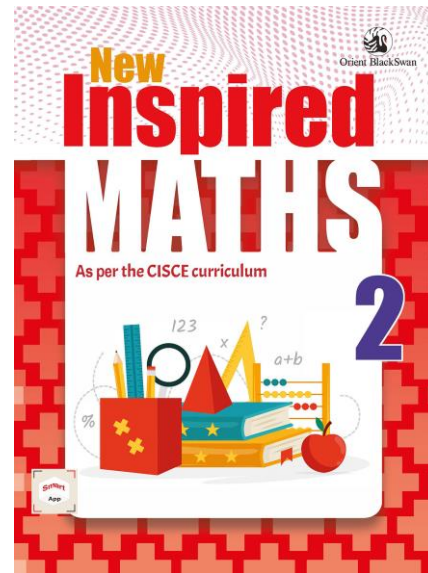
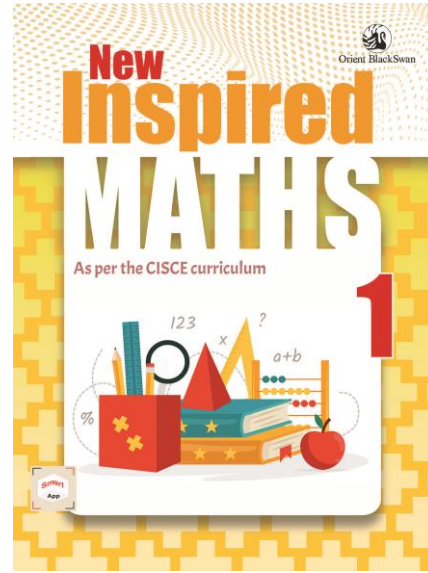
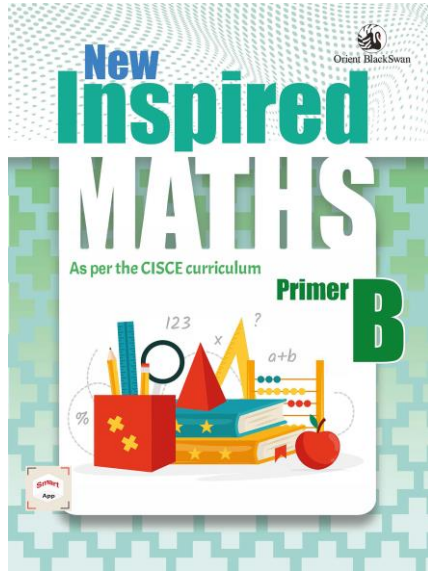
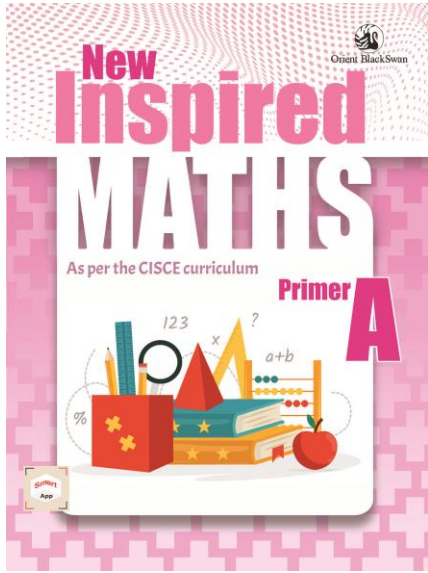
Teachers' Resource Manuals

1 to 8

Orient BlackSwan Teachers' Portal with  
online Smart Books

1 to 8

# Covers



# USPs / Special Features

## Developing 21<sup>st</sup> century competencies

- ◇ Enables students to **develop strong mathematical skills** and also **21<sup>st</sup> century skills** (*Critical thinking, Creativity, Communication and Collaboration*) while enjoying the learning experience

## Linking mathematics to real-life

- ◇ Introduction of concepts through real-life examples
- ◇ Application of maths to other subjects
- ◇ Linking maths to the students' immediate environment, thus enabling them to solve real-life problems

## Activities

- ◇ For concept and skill development and also encourage experiential learning

## Guided Learning

- ◇ Step-by-step learning with **Solved Examples, Semi-solved Examples** and **Unsolved Exercises**

## Digital Extension

- ◇ Animation resources
- ◇ QR Code-linked weblinks to cover difficult topics using additional resources

## Assessment & Support for Teachers

- ◇ New Assessment format as per CICSE requirement
- ◇ Teachers Manual and Solution Manual
- ◇ Orient BlackSwan Teachers' Portal with Smart Chapters

# Key features of the book

- ❖ **Learning Outcomes** to help organise and prioritise learning
- ❖ **Rewind** section to help students recall concepts learnt
- ❖ **Warm Up** section to help students get ready for new learning
- ❖ **Quick Recall** to enable a quick revision of important definitions and concepts
- ❖ **Quick Check**, a mental maths section, to help develop quick calculation skills
- ❖ **Guided Learning** to help students gain mastery over concepts through solved examples
- ❖ **Tryout** to enable the teacher to assess student understanding through concept-based exercises
- ❖ **Workout—Understand and Calculate** to help consolidate concepts learnt through Miscellaneous exercises
- ❖ **Workout—Think and Apply** with MCQs and Problem Solving questions, Cross-curricular and Real-life application based questions, Life skills and Values questions
- ❖ **Shortcuts** to provide quick and easy ways to calculate
- ❖ **Project Work** to help students apply learning to real-life situations
- ❖ **Our Maths Heritage** section to highlight the achievements of Indian mathematicians
- ❖ **Web links** includes QR code resources to promote hands-on learning approach among students

# Features at a glance (1 to 5)

## New Inspired Maths

### has been developed to address:

- the curriculum initiatives for the effective teaching and learning of mathematics
- the need for students to develop problem-solving skills systematically
- sound pedagogical practices that enable student to learn concepts and apply them effectively
- the requirements of the teacher in the classroom

### Students' Textbook

- ♦ complete syllabus coverage
- ♦ carefully-graded text
- ♦ accurate and relevant figures and images
- ♦ ample rigour to learn, understand and apply concepts and skills
- ♦ assessments—**for learning; as learning; of learning**

### Students' Smart App

- ♦ more practice through MCQs for classes 1–8

### Teacher's Resource Manuals

- ♦ lesson plans for all lessons
- ♦ enrichment activities for classroom use
- ♦ worksheets with answers for all lessons
- ♦ question bank with answers for all lessons
- ♦ assessment papers

### Orient BlackSwan Teachers' Portal for classes 1–8

- ♦ for teachers to get free access to events and digital resources
- ♦ Smart Books with exciting features such as:
  - embedded questions
  - animations
  - games
  - presentations
  - worksheets
  - question-paper generator

## Let's Learn

### Learning Outcomes

- ♦ encourage students to evaluate their progress and take responsibility for their learning

### Rewind

- ♦ exercises to help students recall concepts learnt and prepare for new learning

### Warm Up

- ♦ introduces the target concept through real-life examples and activities for quick learning and better grasp

### Guided Learning

- ♦ helps to consolidate each concept with solved and semi-solved examples through the step-by-step approach

### Tryout

- ♦ enables the teacher to assess students' understanding through concept-based and skill-based exercises

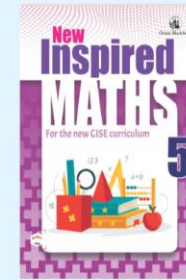
### Common Mistakes

- ♦ helps students discover commonly committed mistakes on their own

### Weblinks

- ♦ includes QR code resources to promote hands-on learning approach among students

## Let's Assess



Assessment for learning (FA) (Formative Assessment)	Assessment as learning (Peer and Self Assessment)	Assessment of learning (Summative Assessment)
<ul style="list-style-type: none"> <li>• Rewind</li> </ul>	<ul style="list-style-type: none"> <li>• Activities</li> <li>• Projects</li> <li>• Our Maths Heritage</li> <li>• Fun Activity</li> </ul>	<ul style="list-style-type: none"> <li>• Workouts</li> <li>• Test papers</li> </ul>



# Assessments



## Assessment for learning (FA) (*Formative Assessment*)

- Rewind
- Quick Check



## Assessment as learning (*Peer and Self Assessment*)

- Activities
- Projects
- Our Maths Heritage
- Fun Activity



## Assessment of learning (*Summative Assessment*)

- Workouts
- Test papers

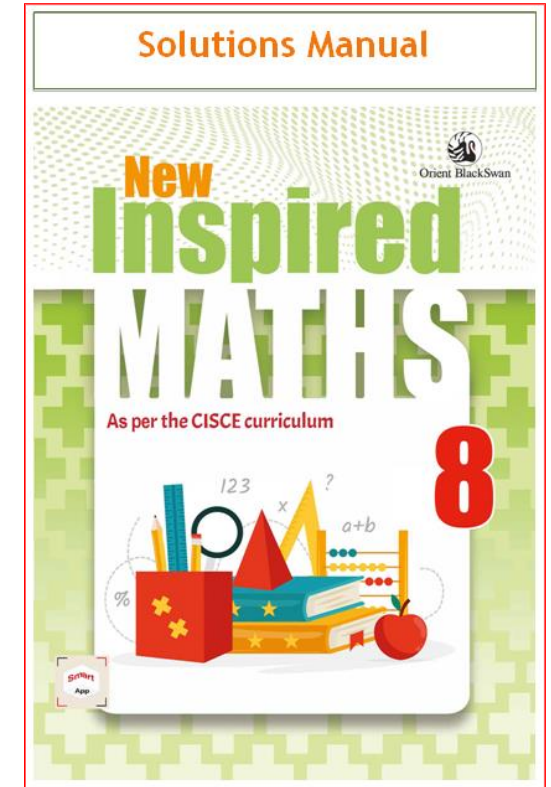
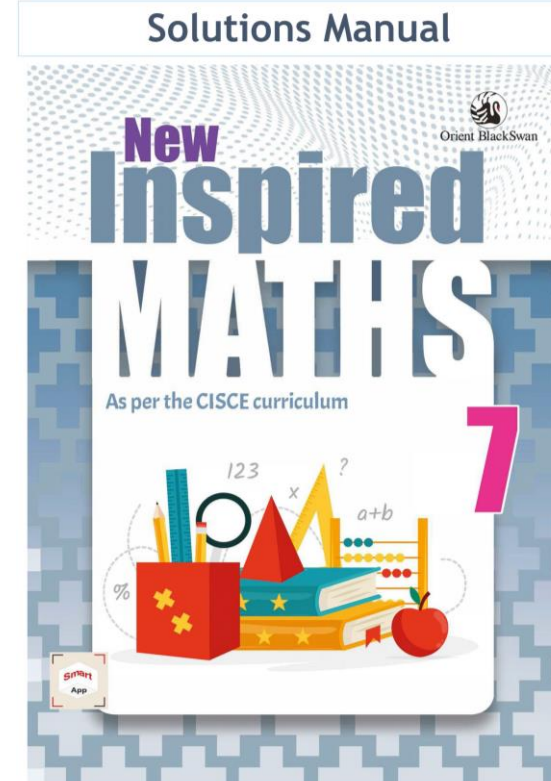
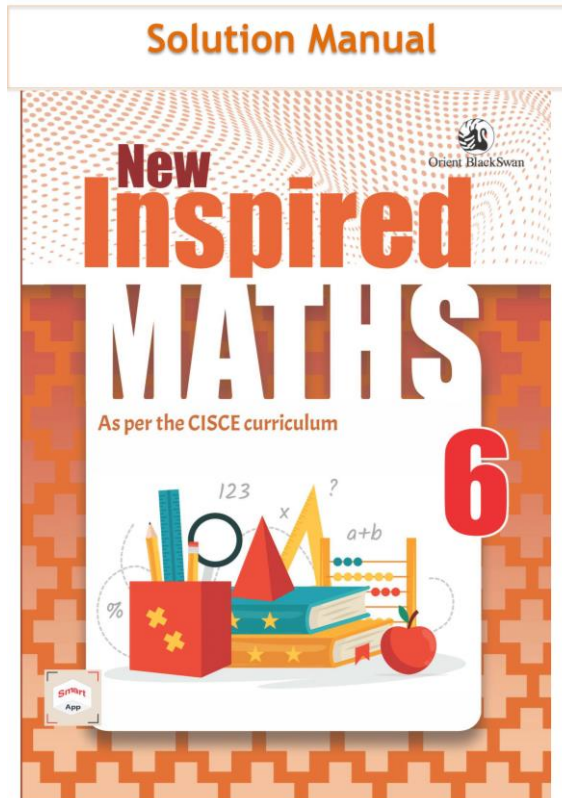


# Support for Teachers

## Solutions Manuals (6–8)

Step-by-step solutions  
to:

- ❖ All Tryout and Workout exercises
- ❖ Test Papers



## Orient BlackSwan Teachers' Portal for Classes 1 to 8

Smart Chapters with exciting features such as:

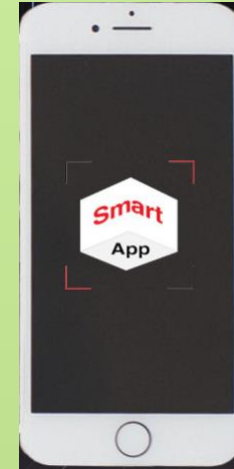
- Animations
- IAs
- Presentations
- Embedded Questions
- Worksheets
- Lesson Modules
- Question-paper Generator



# Digital Support for Students

Smart App has:

- All concept animation
- Interactive Tasks
- Practice Tests for Classes 1 to 8 in MCQ format
- QR-linked resources



Thank You