

NEW Mathematics for the primary school

By Prof. M. Hejny et al.

Mathematics textbooks for children aged 6-10 years. Children enter the world of mathematics through their own experience. The advantage of the textbooks is a great diversity of contexts in which pupils get familiar with key concepts. This approach contributes to the development of mathematical thinking, intellectual and communication skills, creativity and social behavior of pupils.

The textbooks contain cross-curricular links and they are accompanied by many illustrations and photographs. In addition, bottom bars on each page contain instructions for teachers or parents as well as coloured boxes with additional information. The textbooks for the 1st and 2nd class have been designed as combination books, for the 3rd to 5th class as a coursebook supplemented by two workbooks. For each level, we also offer interactive textbooks, teaching guide and supplementary materials.

For example:

Mathematics 1 – volume 1 + set of supplements

68 pages, softback
978-80-7238-626-0

Mathematics 1 – volume 2

68 pages, softback
978-80-7238-627-7

Mathematics 1 – teaching guide + CD

152 pages, softback
978-80-7238-628-4

(Fraus)



Super M

Clear exercises and a likeable guide: *Super M* shows that mathematics can be fun. It provides an effective learning tool for children between 6-10 years of age. *Super M* is organized in a way that allows for flexible use in the classroom. The student's book is accompanied by a workbook and teachers are provided with a pad of differentiated worksheets for heterogeneous groups. Introductions provide workbook pages for lower level students while Upgrades provide a differentiation for upper level students. The full colour worksheets can be distributed in accordance with the teaching situation and free teachers from having to search for and copy material.

Super M makes teaching easier using a completely new concept of handouts:

- Quick overview: two sheets showing the double page from the student's book and the worksheets list the essential points of the topic and identify interconnections.

- Commentary section: information on lesson structure, individual tasks and differentiation.

- Teacher's magazine: more information, practical tips and interesting articles on teaching and the textbook.

Additional copy templates include diagnostic sheets, tests and worksheets related to special topics.

For example:

Pupil's Book 1

128 pages, softback, numerous illustrations
813 370 15.95 €

Workbook 1

76 pages, softback, with CD-ROM
813 450 10.50 €

Teacher's Book 1

340 pages, softback
813 493 25.00 €

(Cornelsen)



Fokus Mathematik

(Focus Mathematics)

By A. Bunnermeier, A. Herz, F. Kammermeyer, H. Kilian, J. Sauer, J. Zechel u.a.

Stimulating applied and pure mathematical situations allow students to experience mathematics in action and get to know it as a means to describe and understand our environment. The abundant range of tasks offered in *Focus Mathematics*, a coursebook series for students aged 10 to 16, encourages students to practise basic skills and learn problem-solving techniques. As an introduction to each subject, three to four alternative tasks are offered. They describe either applied mathematics in everyday situations or mathematical questions to be answered independently or in teamwork. The subsequent explanation deals with one of the questions and uses it to clarify the mathematical reasoning and associations.

A summary substantiates the results. The contents dealt with are presented verbally and formally and are illustrated by means of examples. The extensive practice section is organized in multiple levels. A test page presented in the form of a quiz can be found at the end of each chapter, giving students feedback on their standard of performance. Solutions to the tests are given at the end of the book.

For example:

Student's Book Fifth Grade

224 pages
hardback, numerous illustrations
540 154 22.50 €

(Cornelsen)

All rights available except: Lithuania, Latvia



NEW Maths, get set, go

By T. Zwicker

With these materials, pupils practise mathematics in the truest sense of the word "on the run". The principle of the mathematical dictation relay is simple: Pupils pick up their tasks at different stations, keep them in mind until they reach their positions, and then solve them. Over 70 master copies, with completely prepared work plans for 10- to 14-year-olds, save the teacher a significant amount of preparation. The pupils work independently and practise basic calculation methods. Differing degrees of difficulty will equally meet the needs of lower and higher performing pupils.

Mathematics, combined with play and movement, is fun for children and young people, and promotes their ability to concentrate.

Mathematical dictation relays are very well suited for revising and deepening learning contents. Therefore, they can also be used in cover lessons and as an accompaniment to any mathematics textbook.

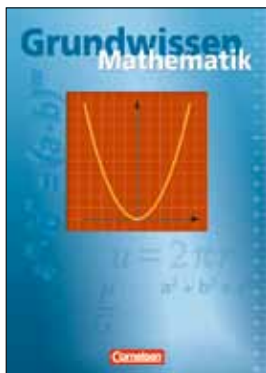
Mathe, fertig, los!

Teaching material for lower secondary level

88 pages, softback
978-3-7058-8257-7

24.90 €

(Veritas)



Grundwissen Mathematik

(Basic Mathematics)

By Prof. T. Glocke

Basic Mathematics is a reference and practice book for the main items of mathematics required at the end of school study in order to pursue a career or a course of higher education.

In addition to the mathematical contents, the book deals with the use of pocket calculators.

Complicated mathematical theories and proofs are dispensed with. Instead, emphasis is placed on communicating the basic ideas and making the contents comprehensible for the reader.

The book is laid out in two columns; an example exercise is developed step-by-step on the right-hand side with explanations on the left. Numerous examples permit individual repetition, revision and learning. A wide range of practice exercises are provided, with solutions so that students may check their answers.

From the contents:

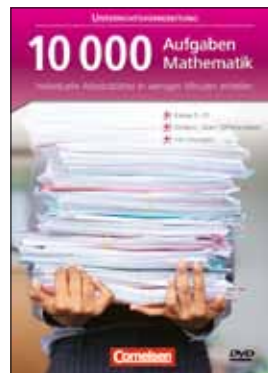
Numbers and size/magnitude, powers and roots, variables, correlation, the rule of proportion, ratios, coordinates, percentages, interest calculations, developing diagrams and graphs, algebra, problems, equations, functions, trigonometry, geometry.

384 pages, softback

413 110

21.95 €

(Cornelsen)



10,000 Tasks in Mathematics

„10,000 Tasks“ provides mathematics teachers working at secondary level (age group 10-16) with an easy-to-use and efficient tool for the creation of customized worksheets.

■ Individual tutoring made easy: worksheets that can be printed out, saved as PDF files or edited in Word 2007.

■ The database made up of 10,000 mathematics tasks contains a multitude of process-oriented tasks and exercises together with solutions.

■ A search function facilitates the initial steps and enables teachers to create worksheets tailored to the individual needs of students quickly, easily and efficiently. The database has a flexible structure which enables teachers to add their own tasks. The publisher can add a feedback function with which the teacher-generated content can be published in an update version. This makes „10,000“ a completely new open-cycle product.

10,000 Tasks in Mathematics

DVD-ROM, single license

9 848

69.00 €

(Cornelsen)