



Primary Maths from Finland

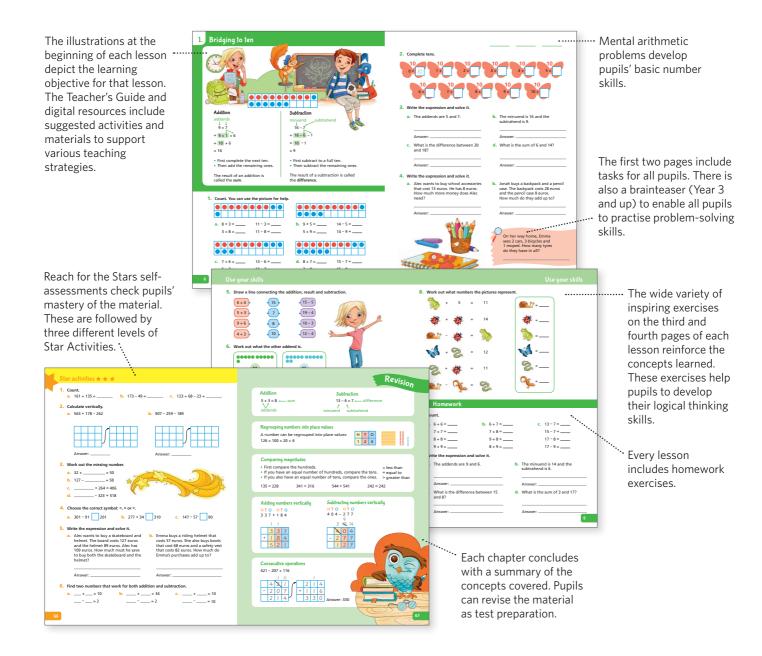
Star Maths 1-6

The Star Maths series follows the Finnish curriculum. The content helps pupils make progress in their numeracy skills. Pupils learn fundamental mathematical concepts and skills at a manageable pace. There are maths problems to solve as well as tasks to investigate, coding activities and other ways to reinforce pupils' skills. Learning is facilitated through a variety of task types and tools for individual and group work. The accompanying digital resources help pupils consolidate and extend their knowledge.

Star Maths and the Finnish curriculum

- Fun and cooperative learning are central to the entire series.
- The materials make it easy to bring variety to your teaching.
- Star Maths provides tips for multi-sensory maths teaching.
- The materials include tasks to promote pupils' coding skills.
 The Teacher's Guide contains more tips on working with code.
- Pupil coursebooks include investigative tasks and experiments to promote pupils' ICT skills.







Teacher's Guide

The Teacher's Guide includes all the pages from the coursebook with answers. It also includes a wealth of tips for group work, assessment and skills-based exercises. The supplementary materials help you to provide individualised instruction for higher and lower abilities. The Teacher's Guide also includes an assessment test for each chapter.

Star Maths makes it easy to individualise learning! Star Maths follows the Finnish curriculum, with a wide variety of exercises at different difficulty levels to enable all pupils to access the world of maths.

The recurring exercise types encourage pupils to work independently and master mathematical concepts. The clear structure makes teaching easier, and the supplementary resources support your lesson planning and teaching.

Each lesson in Star Maths consists of four pages, plus several additional pages of exercises and activities for individual and group work. All coursebooks are structured to enable tailored learning for different pupil abilities. Basic tasks, mental arithmetic problems, brainteasers and homework exercises are aimed at all pupils. There are also in-depth tasks, several levels of Star Activities and projects for pupils to play, investigate and apply maths in real life. Each chapter ends with a Reach for the Stars self-assessment exercises.

You can use the Star Maths digital resources to supplement and reinforce your classroom teaching. For more information about the digital resources, see page 5.



AUTHORS, STAR MATHS 1-2: MAARIT FORSBACK, ANNE KALLIOLA, ARTO TIKKANEN AND MIIA-LIISA WANEUS

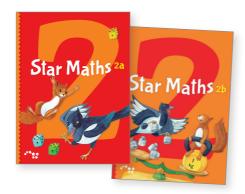
ILLUSTRATORS 1-2: MINNA MÄKIPÄÄ AND MAISA RAJAMÄKI-KUKKONEN

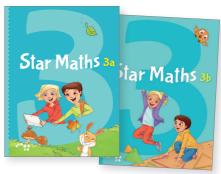
AUTHORS, STAR MATHS 3–6: PÄIVI KIVILUOMA, KIMMO NYRHINEN, PIRITA PERÄLÄ, PEKKA ROKKA, MARIA SALMINEN AND TIMO TAPIAINEN **ILLUSTRATORS 3–6:** MAISA RAJAMÄKI-KUKKONEN AND MINNA MÄKIPÄÄ

The Star Maths series includes:

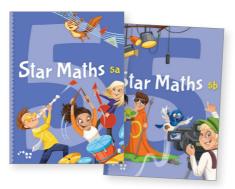
- Coursebook
- Teacher's Guide
- · Digital teaching materials
- · Additional digital activities

For more information about the series, visit learning.otava.fi.









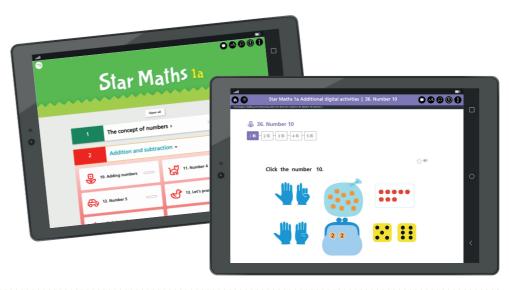


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Additional digital activities

The Star Maths Additional digital activities include a wide variety of higher and lower level exercises for each of the book's lessons. The activities provide instant feedback and help reinforce and revise skills learned in class.

The exercises can be used on your desktop or tablet, in class or at home.

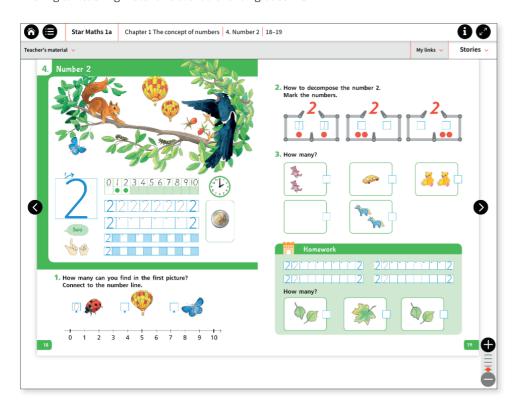


Digital teaching materials

The Star Maths Digital teaching material is the teacher's digital tool used to display the coursebook a spread or an exercise at a time. Solutions for the exercises can be revealed by clicking on the answer area.

In addition, the teaching material includes the full teacher's guide, with its stories in audio format and the exams and resource packs as easy to print pdfs.

The Digital teaching material is available for all grades 1-6.



Star Maths series contents by level

Star Maths 1a

Numbers 0-10, <, >, =, +, -

Adding and subtracting numbers 0–10; understanding the relationship between addition and subtraction; commutative property of addition; subtraction using number bonds; solving for missing numbers in addition and subtraction; adding and subtracting more than two numbers

Money, €

Diagrams

Star Maths 1b

Numbers 11–20: addition with sums above 10; subtraction with differences below 10; understanding the relationship between addition and subtraction; checking the results of subtraction; doubling; halving and doubling numbers; even and odd numbers

Numbers 0-100: units, tens (0, 10, 20, ..., 100) and one hundred; greater than/less than; number series

Telling the time: on the hour and half past

Geometry: wholes; 2D shapes

Fundamentals of measurement; centimetres

Star Maths 2a

Adding and subtracting numbers 0–100, addition and subtraction with regrouping (carrying/borrowing); subtraction from multiples of 10

The concept of multiplication; 2, 5 and 10 times tables

The concepts of division and fractions; division into equal parts; fractions

Geometry: wholes, 2D shapes, triangles, quadrilaterals, polygons

Star Maths 2b

Telling the time: on the hour, half past, a quarter past, a quarter to

3 and 4 times tables; commutative property of multiplication; word problems

Addition and subtraction with numbers 0-100

Measurement: centimetres, metres, grams, kilograms, litre and decilitre

Even and odd numbers; multiplication and division; fractions; true and false

Introduction to column addition and subtraction

Star Maths 3a

Addition and subtraction: mental arithmetic and column addition/subtraction

Multiplication: 1–10 times tables; commutative property of multiplication

Telling the time: the 24-hour clock; short time intervals Column multiplication: with and without carried digits

Star Maths 3b

Division: grouping and sharing; remainder; dividing by a single-digit number

Fractions: the concept of fractions; adding and subtracting fractions with common denominators

Measuring length: practical exercises; units of length (mm, cm, m and km)

Geometry: angles, polygons, circle, area

Star Maths 4a

Order of operations

Multiplication

Division

Negative numbers: greater than/less than; adding/ subtracting/multiplying/dividing; graphs

Star Maths 4b

Fractions

Decimals

Measuring: length, mass, volume, time

Geometry: triangle, quadrilateral, coordinates, mirroring

Star Maths 5a

Problem-solving

Fractions

Geometry: angles

Drawing and measuring; measuring angles of a triangle and their sum; parts of a circle; drawing a circle

Star Maths 5b

Division

Percentages

Showing and finding information; various graphs

Measuring: length, mass, volume

Converting to larger and smaller units of measurement

Geometry: scale, maps

Star Maths 6a

Calculation strategies

Fractions

Decimals

Geometry

Revision

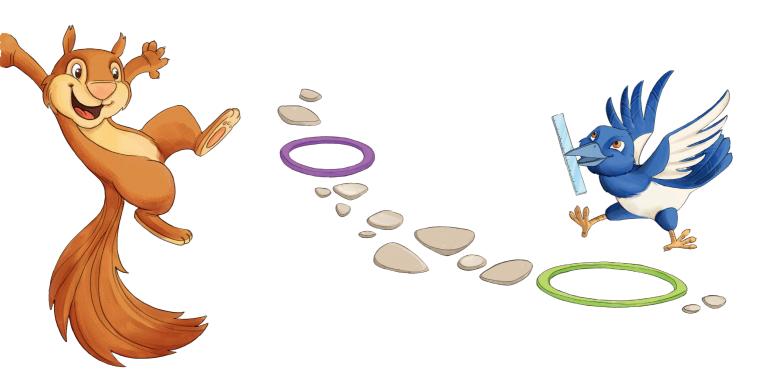
Star Maths 6b

Percentages

Time

Probability and equations

Preparation for Year 7





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