

## Introduction for parents and teachers

This book provides correct answers to all the questions in the Pupil book **Written Calculation: Multiplication I** (ISBN 978 07217 1268 0), including those contained in each **Check-up test** and **Final test**.

### Which pupils will benefit most from Written Calculation: Multiplication I?

**Written Calculation** covers multiplication in two books: pupils should work through both books consecutively to ensure that all the necessary steps are covered. **Multiplication I** is for pupils who already understand the value of digits in numbers. They are able to identify the units digit in a four-digit number such as 5468. They also know the values of the other digits, including tens, hundreds and thousands. Pupils should also be experienced in multiplying single-digit numbers (for example,  $4 \times 8$ ,  $8 \times 3$ ). Pupils who know by heart all their times tables will find written multiplication easier than those who have to work them out. For this reason, pupils who have not yet memorised their tables may find it useful temporarily to refer to a multiplication square – downloadable from the Schofield & Sims website. This will allow them to focus on the procedures of the written method. Once the pupils are familiar with the facts, they will no longer need the multiplication square.

### How should the Pupil Book be used?

Pupils should work consecutively through all 18 'steps' if they are to become fully proficient in the most important stages of the learning process. At the end of each step are **Problem solving** questions. Pupils record their workings onto their grid and write their answers in the book. Make sure that each pupil completes the **self-evaluation** rating at the end of each step by ticking 'Easy', 'OK' or 'Difficult'. Review each pupil's rating against his or her score for that step, and give support to pupils who are struggling. The final steps in the book extend more able pupils and take them beyond the statutory aspects of written multiplication, requiring them to work with larger numbers and decimals, for example. **Check-up tests** and a **Final test** help you to monitor progress, and this book of **Answers** makes marking simple and quick. Use the **conversion chart** at the end of each test to quickly convert the pupil's score to a percentage that can be recorded and used to measure progress.

**Please note:** Pupils will require additional squared paper to help them complete some of the pages in the Pupil Book.

The separate **Written Calculation: Teacher's Guide** (ISBN 978 07217 1278 9) contains full teaching notes and assessment resources. The **Teacher's Resource Book** (ISBN 978 07217 1300 7) contains photocopiable resources. Both cover the whole series and provide the teacher with valuable guidance and resources to support the teaching of written calculation. For free downloads and for further details on all the other **Written Calculation** books, visit [www.schofieldandsims.co.uk](http://www.schofieldandsims.co.uk)

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