

KS2 Problem Solving Book 4

written by Ann Montague-Smith

Notes for the teacher

This book contains enrichment activities that are suitable for Year 6 children, which give them the opportunity to become more confident in solving maths problems. The multi-step problems provided will encourage the children to develop specific problem-solving skills, including:

- making jottings in order to help them with calculation
- using a calculator appropriately
- solving problems set in real-life contexts, with realistic numbers.

The main learning objectives for each activity are given on the Contents page; these are taken from the National Strategy Primary Framework for Mathematics. Aspects of all seven strands are covered (Year 6 unless otherwise indicated), although it has not been possible to cover every objective in this workbook. Use the Contents page to find work that is appropriate both for individuals and for groups. Children will find it useful to have rough paper for jottings, and for some questions you may wish to ask them to set out their workings, with solutions, in full. This will enable you to assess whether they can make efficient choices about the method of achieving the solution.

Encourage the children to explain to a work partner, and to the class, how they have solved the problem they are working on. Ask them to consider whether there might be a more effective method, and to explore ways of extending the problem – perhaps by writing a new problem, based on the original material and their solution, for others to try.

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