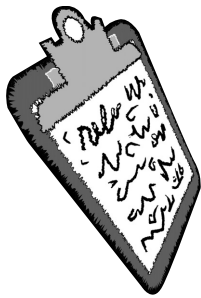


HOW TO USE THIS BOOK



TEACHERS' FILE

Read this section to find out how to make the most of this book. It contains ideas for classroom organisation as well as background notes, a handy list of materials, technology tips, assessment ideas and suggestions for parental involvement.

QUICK STARTS

Provides problem-posing and investigation ideas that introduce specific problem-solving approaches, such as:

- comprehending the problem,
- dealing with new mathematical vocabulary,
- identifying a suitable strategy for getting started.

Can be used at any time as mental starters or quick challenges with little or no preparation.

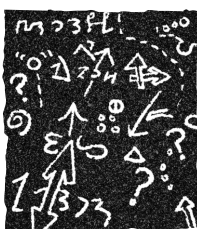
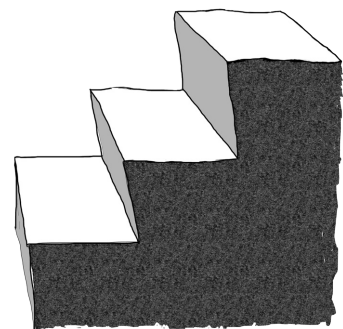


TAKE YOUR OWN TIME

These PCMs can be incorporated into your current maths unit or can be used independently to scaffold or challenge mathematical thinking. Sheets such as the Number Cards (PCM 23) need to be copied onto card and laminated while Problem-solving Strategies (PCM 27) can make a classroom poster.

STEP BY STEP

Task cards that challenge pupils to work together as a community of maths learners to solve problems that cannot be solved alone. Clear step-by-step instructions are given to scaffold pupils through the process.



PLEASE EXPLAIN

Teaching notes for the PCMs and a detailed chart listing the maths strands covered in all of the activities in the books. Solutions are provided for some of the trickier investigations.