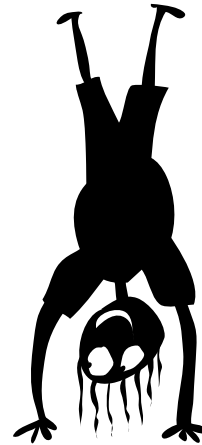
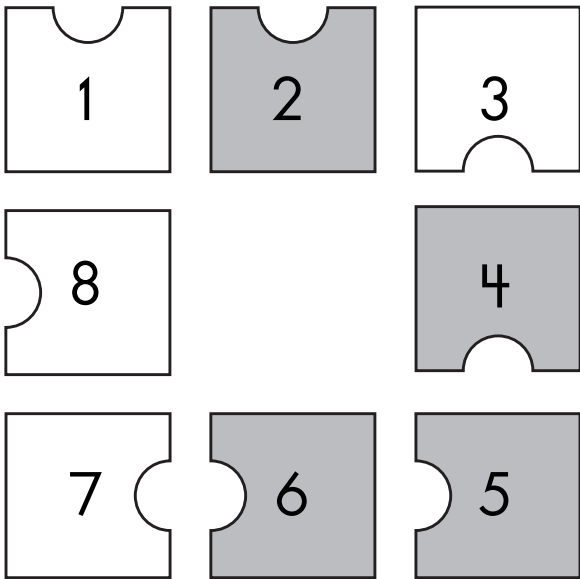


Flip, Slide and Turn

The tile is white on one side and grey on the other side. It can be moved with flips, slides or turns to make a path.



What moves were needed to complete this path?

	Flip	Slide	Turn
Start	✓		
2	✓		✓
3			
4			
5			
6			
7			
8			

Draw a *flip, slide and turn* path for a friend to work out.

Key Concept: *Space – using language of position*

Who Won?



Who won the race?

What order did the team come in?

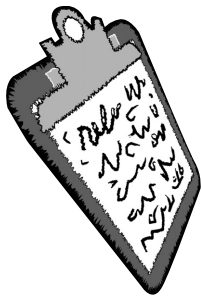
Show how you worked it out.

Make up a 'Who Won?' problem of your own.
Test your clues before you pass it to a friend.

Key Concept: *Number—ordinal numbers*

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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.

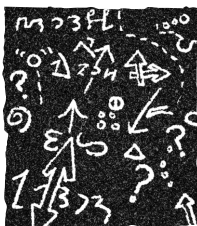
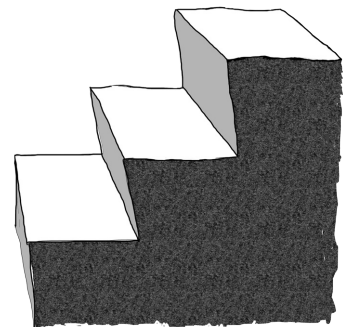


TAKE YOUR OWN TIME

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 25) 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.