

# Introduction

**N**on-verbal reasoning skills enable you to solve problems that do not involve words. These skills are useful for school tests, such as the 11+. 'Non-verbal' means that no words are used, so in non-verbal reasoning tests, pictures are used instead of words. Non-verbal reasoning skills are important in other aspects of life too because you make many decisions based on what you see. By practising your non-verbal reasoning skills you will learn to look and think more carefully, using **logic**.

## How to use this book

Before you start using this book, write your name in the box on the first page. Then decide how to begin. If you want a complete course on non-verbal reasoning, work right through the book. Another way to use the book is to dip into it when you want to find out about a particular type of question. The contents page or the index will help you to find the pages you need. Whichever way you choose, don't do too much at once – it's better to work in short bursts.

When you are ready to begin, find some scrap paper – or ask an adult for some. You may find this useful for your workings out. As you make a start, look out for these icons, which mark different parts of the text.



### Explanation

This text explains key points about the question type and gives examples. Read it before you start the activities. Words shown like **this** appear in the combined index and glossary (page 96). The glossary focuses on terms used to explain reasoning questions. To understand maths terms, you may need to refer to maths books such as **Understanding Maths**.



### Activities

These are the activities that you should complete. Most are multiple choice questions. Usually you show your answer by putting a circle round the letter that is below your chosen answer option. Occasionally you write your answer in the space provided. **After you have worked through all the activities on a page, turn to pages 70 to 94 to check your answers. These pages explain how each correct answer is reached. Read them carefully.** When you are sure that you understand a question type, tick the box beside it on the Contents page.

Hint

### Hint

This text gives you extra information on how you might tackle a particular activity.



### Important

This text tells you something that you must remember if you want your answers to be correct.



### Do and learn

This text describes a practical activity that will help you to understand a particular question type.