

Introduction

Non-verbal reasoning questions test your ability to think logically and solve problems that don't involve any words. Instead, they involve looking at pictures and working out how they are related to each other.

By practising your non-verbal reasoning skills, you will learn to look and think more carefully, using **logic**. This will also help you to solve other reasoning problems that you will encounter in school tests, such as verbal reasoning and mathematical reasoning problems.

There are a number of non-verbal reasoning question types and not all of them will appear in all exams. However, practising all of them can be very beneficial, as many of the techniques for answering the questions overlap.

Non-verbal reasoning is very closely linked to maths, so skills you have already learnt, such as recognising patterns; rotations; reflections; and 2D and 3D shapes, will prove very useful.

How to use this book

The next two sections of this introduction provide a useful overview of the common features and question types that you may encounter in non-verbal reasoning tests. Then each question type is explained in turn, including worked examples as well as lots of exam-style practice questions.

If you want a complete course in non-verbal reasoning, work right through the book. If you want to find out about a particular type of question, use the Contents page or the Index to find the pages you need. Whichever way you choose to use the book, don't try to cover too much at once – it is better to work in short bursts.

Look out for the symbols below, which mark different parts of the text. Find out about words in **grey** by turning to the Glossary on pages 175 to 176. At the end of each section there is a checklist to help you remember the key points.



Activities

These are the questions that you should complete after you have read the explanation and examples for each question type. Most are multiple-choice questions and you will need to put a circle round the letter that is below your chosen answer. Occasionally you will need to write your answer in the space provided. After you have worked through all the questions, turn to pages 150 to 174 to check your answers. If you got any of the answers wrong, read the topic again, and then have another go at the questions. When you are sure that you understand a topic, tick the box beside it on the Contents page.



Tip

This text gives you helpful tips on how to tackle a particular question type.



Important

This text gives you useful information, rules and techniques you should remember.



Do and learn

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

At the end of the book, there is a 1-hour Practice test. You should attempt this once you are sure that you understand all the question types.