



# ACER *Scholarship Tests*

## **ACER Scholarship Tests - Mathematics (Mathematics and Science at Levels 2 and 3)**

This test attempts to measure mathematical and scientific abilities rather than school achievement in these areas. The material used for the questions is selected from a wide variety of sources, and may differ from standard school-based curriculum materials.

### **Mathematics skills tested (Levels 1, 2 and 3)**

The focus is on mathematical/quantitative problem solving, including:

- analysis and interpretation of mathematical/quantitative information,
- evaluation and selection of key information,
- reorganisation and transformation of information,
- identification of relationships,
- synthesis,
- application to solving problems, and
- evaluation of solutions.

### **Scientific skills tested (Levels 2 and 3 only)**

The focus is scientific critical thinking, including:

- analysis and interpretation of scientific information,
- comprehension of concepts presented,
- identification of relationships,
- hypothesising,
- generalising,
- application of logic and scientific method,
- drawing logical inferences,
- evaluation of information, evidence, experimental arrangements and conclusions.

The test consists of between 32 and 36 multiple-choice questions. For Level 1 candidates, all the questions are on aspects of mathematics. For Level 2 and Level 3 candidates, half the questions are on mathematics topics and half on science topics.

To become more familiar with the style of questions and the strategies for responding it is suggested that you refer to 'A Parent's Guide to Scholarship Tests', published by ACER Press and also try questions in our online or downloadable sample materials.