# AUSTRALIAN MATHEMATICS COMPETITION SPONSORED BY THE COMMONWEALTH BANK

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NAME

YEAR.

TEACHER

# 2015 UPPER PRIMARY DIVISION

AUSTRALIAN SCHOOL YEARS 5, 6 and PRIMARY 7\*

TIME ALLOWED: 60 MINUTES

#### INSTRUCTIONS AND INFORMATION

#### GENERAL

- 1. Do not open the booklet until told to do so by your teacher.
- You may use any teaching aids normally available in your classroom, such as MAB blocks, counters, currency, calculators, play money etc. You are allowed to work on scrap paper and teachers may explain the meaning of words in the paper.
- 3. Diagrams are NOT drawn to scale. They are intended only as aids.
- 4. There are 25 multiple-choice questions, each with 5 possible answers given and 5 questions that require a whole number answer between 0 and 999. The questions generally get harder as you work through the paper. There is no penalty for an incorrect response.
- This is a competition not a test; do not expect to answer all questions. You are only competing against your own year in your own country/Australian state so different years doing the same paper are not compared.
- Read the instructions on the answer sheet carefully. Ensure your name, school name and school year are entered. It is your responsibility to correctly code your answer sheet.
- 7. When your teacher gives the signal, begin working on the problems.

#### THE ANSWER SHEET

- 1. Use only lead pencil.
- Record your answers on the reverse of the answer sheet (not on the question paper) by FULLY colouring the circle matching your answer.
- 3. Your answer sheet will be scanned. The optical scanner will attempt to read all markings even if they are in the wrong places, so please be careful not to doodle or write anything extra on the answer sheet. If you want to change an answer or remove any marks, use a plastic eraser and be sure to remove all marks and smudges.

#### INTEGRITY OF THE COMPETITION

The AMT reserves the right to re-examine students before deciding whether to grant official status to their score.

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second language Teaching Mathematics to English Language Learners provides readers a comprehensive understanding of both the challenges that face English language learners ELLs and ways in which educators might address them in the secondary mathematics classroom Framed by a research perspective Teaching Mathematics to English Language Learners presents practical instructional strategies for engaging learners that can be incorporated as a regular part of instruction The authors offer context specific strategies for everything from facilitating classroom discussions with all students to reading and interpreting math textbooks to tackling word problems A fully annotated list of math web and print resources completes the volume making this a valuable reference to help mathematics teachers meet the challenges of including all learners in effective instruction Features and updates to this new edition include An updated and streamlined Part 1 provides an essential overview of ELL theory in a mathematics specific context Additional practical examples of mathematics problems and exercises make turning theory into practice easy when teaching ELLs New pedagogical elements in Part 3 include tips on harnessing new technologies discussion questions and reflection points New coverage of the Common Core State Standards as well as updates to the web and print resources in Part 4 Primary Teaching Methods Dawn Quist, 2000 This text covers all the aspiring or busy teacher needs to know about the basic methods of primary teaching and provides more besides There are sections on basic principles organization planning working with children teaching strategies methods resources assessment and working with others Individual topics range from being gender aware to lesson planning giving explanations managing large classes using the school compound and keeping records All contain pratical suggestions Student teachers in training and newly qualified or unqualified teachers should find them helpful Experienced primary teachers should also find the book a resource to improve their professional practice either working on their own or in groups for in service training Maths and ICT in the Primary School Richard English, 2013-05-24 By clearly outlining how ICT can enhance and improve children's learning this book shows how to unleash the full potential of ICT within the classroom Stimulating useful and free of jargon the book provides many practical examples to show teachers where when and how ICT can be used effectively within their maths teaching It provides advice on teaching creatively choosing ICT resources differentiation assessing ICT making the most of adult support Rooted in the practical realities of the classroom this book will support both trainee and qualified teachers in providing rich and creative maths experiences through the use of ICT

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