contents and sample pages

Title	Maths Terms and Tables
Author(s)	Jack Bana, Linda Marshall & Paul Swan
ISBN/ISSN	978-1-74126-363-3
Published by	R.I.C. Publications

This document is copyright and has been made available with permission.

Please contact the Australian Association of Mathematics Teachers to purchase this product.

AAMT is the nation's premier organisation of mathematics educators: supporting and enhancing the work of teachers; promoting the learning of mathematics; representing and promoting interests in mathematics education.

POST GPO Box 1729 Adelaide SA 5001
PHONE 08 8363 0288
FAX 08 8362 9288
EMAIL office@aamt.edu.au
INTERNET www.aamt.edu.au

Contents

Mathematical terms 1–

Additional information .....

Addition and subtraction table .....

Multiplication and division table 59

Basic properties of the operations 60

Decimal system of numeration 61

Roman numeration system and Greek alphabet 62

Figurative numbers 63–64

Factors 65

Factors and rectangular numbers .....

Prime and composite numbers to 200 68

Rules for divisibility .....

Rational number equivalents .....

The real number system 71

Indices ..... –73

Maths in finance 74–75

Data representation 76–85

Angles and parallels 86

Polygons 87

Triangles 88–91

Quadrilaterals 92–93

Circles 94–96

Three-dimensional shapes 97–100

Symme 101

Transform 102–103

Cross- nd conic sections 104–105

nal System (SI) 106–108

..... 109–111

mperial conversion table 112

es for finding area 113

for finding the volume of prisms 114

Rules for finding the volume of pyramids and spheres 115

Common maths symbols 116

Web Display Copy
Low Resolution Images
©RIC Publications

1094RIB maths terms II.indd 3 21/12/05 3:39:10 PM

Box and whisker plot (Boxplot)

A graphical summary of data that shows five aspects of the data: the lower and upper quartiles (hence inter-quartile range), the median, and the lowest and highest values [see p. 80].

Brackets (Parentheses)

That is ( ), { }, and [ ].

Breadth (Width)

The distance across.

e.g.

The breadth of this page is about 17 ...

C

Calculate

Use a mathematical procedure to determine a number, quantity or expression.

Calculator

Usually meaning an electronic calculating device, which can range in power from basic to graphic computer algebra system (CAS) capability.

e.g.

Calendar

A chart showing the days, weeks and months of the year [see p. 109].

Capacity

The amount a container can hold, usually referred to liquids or gases [see p. 10...]

e.g.

The capacity of the bottle is one litre.

Cardinal number (Whole number)

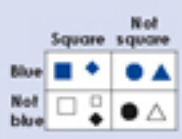
The answer to the question, 'How many?'. [0, 1, 2, 3, . . . is the set of whole numbers. See p. 71.]

Carroll diagram

A grid-like structure for categorising results. [Named after its inventor, Lewis Carroll—a pen-name for the logician Charles Dodgson. See p. 76.]

e.g.

The one shown can be used to classify a set of coloured blocks in a 2 x 2 system.



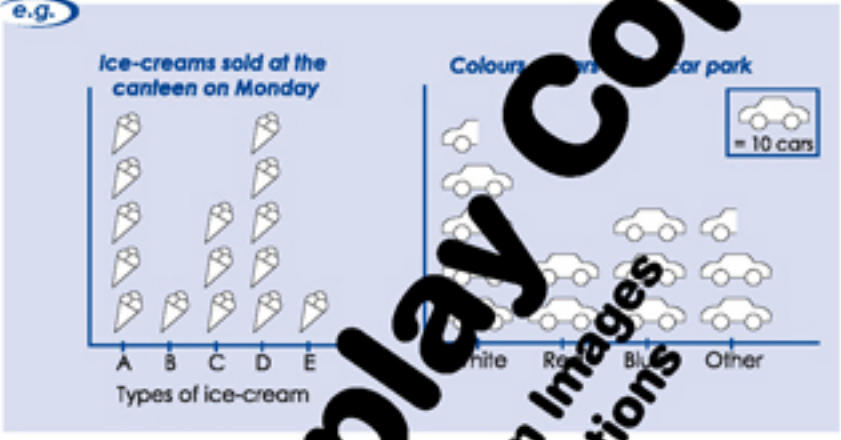
Web Display Copy
Low Resolution Images
©RIC Publications

1094RB maths terms 06-11.indd 7 21/12/05 3:49:28 PM

Pictograph (Picture graph)

Data represented in picture form, where one picture may represent one or more units. When different pictures are used, they should be explained in the chart.

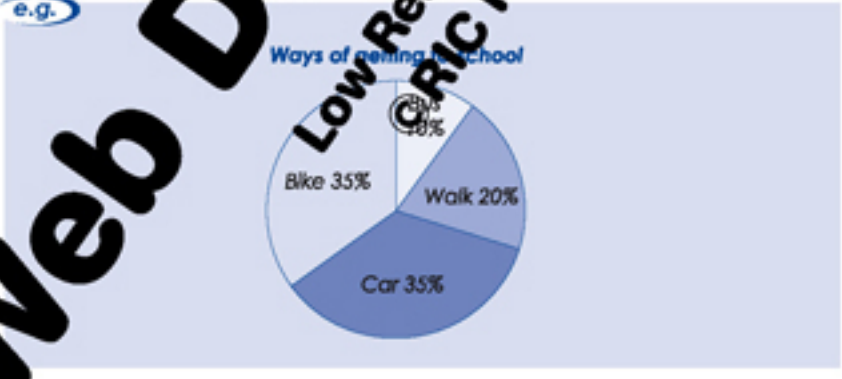
e.g.



Pie graph (Pie chart; Circle graph)

The sectors of a circle are used to show a whole in terms of its parts.

e.g.



Web Display Copy
Low Resolution Images
© RIC Publications

1094RB maths terms 78-83.indd 83 21/12/06 4:23:31 PM