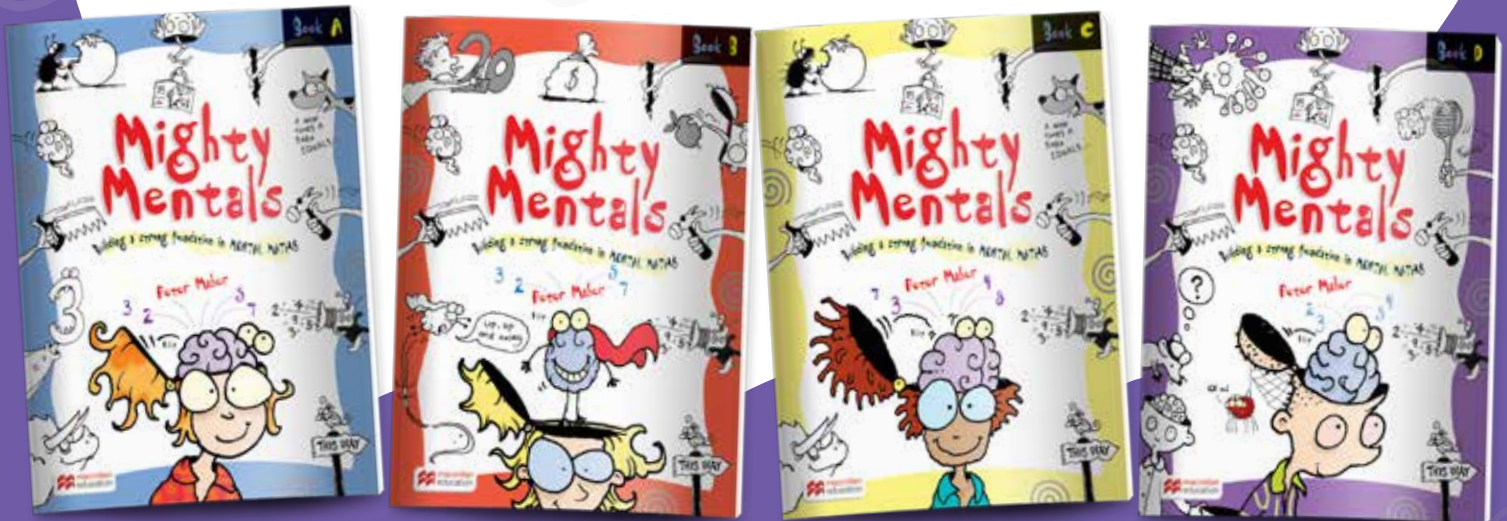


Mighty Mentals

Building a strong foundation in MENTAL MATHS



A series of four workbooks for learners from Grades 3-6, designed to systematically teach mental computation skills. These workbooks are a valuable resource for teachers, parents and learners alike.



Workbook Features

1. Unit-based Learning

Each unit focuses on a specific mathematical concept, providing learners with structured and systematic practice.

- 1 What is the difference between 38 and 10? ----
- 2 What is the difference between 97 and 9? ----
- 3 What is the difference between 73 and 11? ----
- 4 Take 9 away from 30 ----
- 5 Take 11 away from 49 ----
- 6 Take 10 away from 22 ----
- 7 Reduce 54 by 11 ----
- 8 Reduce 92 by 9 ----
- 9 Reduce 64 by 10 ----
- 10 Subtract 10 and then 11, from 99 ----



2. Strategic Tips

Each unit includes a tip or strategy to guide learners through the exercises, enhancing their problem-solving skills.

Set E

Is it better to measure these things in grams or in kilograms?

- 1 a baby _____
- 2 a mouse _____
- 3 a Year 4 child _____
- 4 a box of biscuits _____
- 5 a horse _____
- 6 a jockey _____
- 7 a dollar coin _____
- 8 a button _____
- 9 a full school bag _____
- 10 a tennis racquet _____

3. Handy Maths Facts & Glossary

Incorporated maths facts and a comprehensive glossary serve as a quick reference tool for learners.

Metric prefixes

- milli** means one thousandth (1/1000)
- centi** means one hundredth (1/100)
- kilo** means one thousand
- mega** means 1 000 000

4. Progress & Self-Assessment Charts

These charts empower learners to track their progress and take ownership of their learning journey.

How well am I doing?

After you complete each set of work, fill in your score out of 10. At the end of the six sets, rate yourself in the following ways:

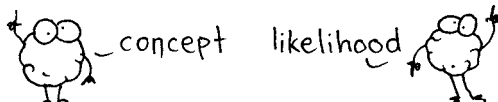
P=Participant; B=Bronze medalist; S=Silver medalist; G=Gold medalist!

| Unit | Topic | Set A | Set B | Set C | Set D | Set E | Set F | My Rating |
|------|---|-------|-------|-------|-------|-------|-------|-----------|
| 1 | The history of numeration: Roman numerals | | | | | | | |
| 2 | Addition: Adding 2-digit numbers | | | | | | | |
| 3 | Subtraction: Subtracting 2-digit numbers | | | | | | | |
| 4 | Multiplication and division facts | | | | | | | |

5. Pull-out Answer Section

Unit 29 Money: Amounts and the four operations

Answers



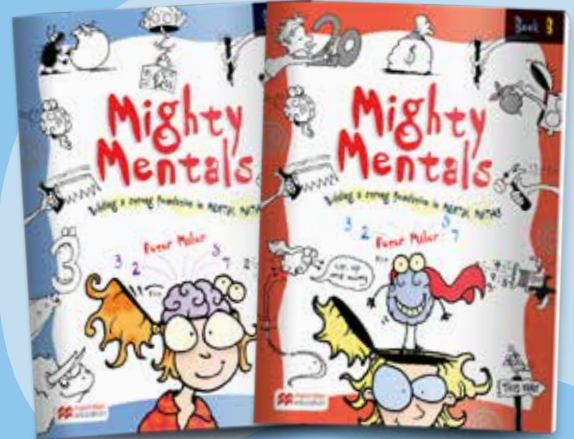
- | | | | |
|-----------------------|----------|-------------|---------------------------|
| Set A | Set B | Set D | Set F |
| 1. 3 coins | 1. R1.10 | 1. 80 cents | 1. R50.00, R50.00, R10.00 |
| 2. 4 coins | 2. R1.70 | 2. R1.50 | 2. R102.50 |
| 3. 4 coins | 3. R2.05 | 3. R1.50 | 3. R90.50 |
| 4. 4 coins | 4. R2.35 | 4. R5.50 | 4. R80.00 |
| 5. 1 note and 2 coins | 5. R5.50 | 5. R9.90 | 5. R330.00 |

Conveniently placed in the middle of the workbook, the answer section can be removed for easy access.

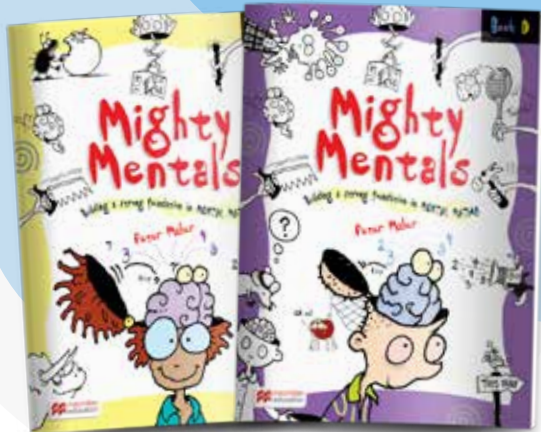


What makes each workbook great!

- ★ Structured to be used over the course of the school year.
- ★ Each unit is designed for weekly completion.
- ★ Can easily integrate into existing lesson plans.
- ★ Can be used as supplementary homework task to reinforce learning!



Curriculum Alignment



- ★ Complements any general maths textbook
- ★ Adds a strong mental computation component
- ★ Covers essential areas of the mathematical curriculum including measurement, space and data

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