

Working with Numbers – Numeracy for Managers



Being able to interpret data and statistics is a critical business skill



DMSA helps managers to enhance their ability to work with numbers

About DMSA . . .

Formed in 1996, DMSA is a niche-specialist research company that has been based at Wits University, one of South Africa's most highly recognised academic institutions.

DMSA combines state-of-the-art statistical analysis with business analysis to help organisations generate business intelligence.

DMSA services include: Data Analytics, Customer-based Research and Organisational Surveys, and Training.

The DMSA Team consists of a unique blend of specialists: statisticians, business strategists and organisational psychologists who work together to deliver effective business solutions.

Please visit www.dmsa.co.za for more information.

In an economy where data has become the 'new gold', organisations need decision makers who can work with numbers.

This is a pre-requisite for interpreting statistical data to make better decisions to improve business performance.

Working with Numbers – Numeracy for Managers has been developed for managers who want to become more effective at using and interpreting numeric data.

- ✓ Refresh fundamental maths principles
- ✓ Use ratios and percentages to accurately describe reality
- ✓ Understand variables and equations.

Topics covered

The course consists of 6 modules:

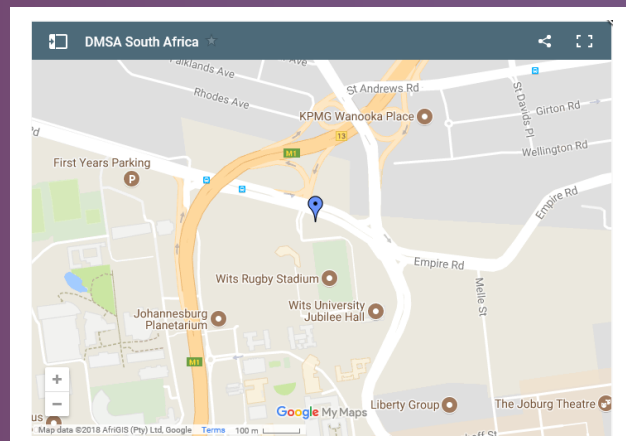
1. Working with Numbers
2. Working with Fractions
3. Working with Decimals
4. Percentages
5. Ratio and Proportion
6. Variables and Equations

Course details

- **Venue: Wits Enterprise – Professional Development Hub***
- **Duration: 2 days**
- **Cost: R3 500 per delegate****
Total: 2 days x R3500 = R7000 (exc Vat)

* Training can be done on client premises, provided there are sufficient delegates

**A discounted rate will be given to companies that send more than 10 delegates



For more information, please contact:

Dr **Mark Paiker**
Tel: (011) 717 1687
Cell: 082 456 2841
E-mail: mark@dmsa.co.za
Web site: www.dmsa.co.za

Gate 6, LG05
Professional Development Hub
Wits University
92 Empire Rd
Braamfontein, 2050

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Topics covered

1. Working with Numbers

- Understand how to work through a problem with mixed operations
- Distinguish between different types of numbers
- Understand powers and roots

2. Working with Fractions

- Appreciate the importance of equivalent fractions
- Revise the four rules of fractions
- Find the lowest common denominator and highest common factor

3. Working with Decimals

- Convert a fraction into a decimal
- Rounding of numbers up/down
- Work with significant figures
- Appreciate the importance of estimation

4. Percentages

- Convert fractions and decimals to percentages
- Express one quantity as a percentage of another
- Calculate percentage increase and percentage decrease
- Examine the use of percentages in business transactions

5. Ratio and Proportion

- Express a ratio in its simplest form
- Solve problems involving ratios
- Find the missing number in a proportion
- Solve problems involving direct and inverse proportion
- Convert Rands to foreign currency and vice versa

6. Variables and Equations

- Understand independent and dependent variables
- Understand algebraic expressions
- Solve equations
- Understand linear equations and straight line graphs
- Understand functions and relations

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