**Grade 3 Mom’s Maths Manual**

Hard copy: ISBN number 978-0-620-46894-7

Link to ITSI for an [eBook https://store.it.si/za/search?page=1&textFilter=&publisherFilter=60](https://store.it.si/za/search?page=1&textFilter=&publisherFilter=60)

**INDEX**

**Even and Odd Numbers**

Even Numbers

Odd Numbers

Identify Numbers

[Free online [self-marking](http://momsmathsmanual.co.za/testmoz-maths-on-line/) maths activities](http://momsmathsmanual.co.za/testmoz-maths-on-line/)

**Counting Forwards and Backwards**

Counting Forwards

Complete the Pattern Forwards

Counting Backwards

Complete the Pattern Backwards

Number Lines

Before and After

What comes before

What comes after

**Arranging Numbers**

**Comparing Numbers** (< = >)

**Place Value**

Expanded Notation – Junior

Value of the Underlined Digit

More Place Value Exercise

Writing Numbers in Words

Writing Numbers – Words to Digits

Writing Amounts to Words

**Addition and Subtraction**

Bonds Addition Reinforcement – Dice

Bonds of 10

Basic Addition Reinforcement – Mirror or White Board

Basic Addition Reinforcement – Flash Cards or Deck of Cards

**Addition**

Properties of Addition

Adding Using Expanded Notation (Without Carry)

Adding Using Expanded Notation (With Carry)

Adding Vertically without Carry

Adding Vertically with Carry

Adding Using Estimation (Rounding Off)

**Subtraction**

Properties of Subtraction

Bonds Subtraction Reinforcement – Dice

Bonds of 10

Basic Subtraction Reinforcement – Mirror or Whit Board

Basic Subtraction Reinforcement – Flash Cards or Deck of Cards

Subtracting Vertically without Borrowing

Subtracting Vertically with Borrowing

Subtracting Using Expanded Notation (Without Borrowing)

**Rounding Off**

Number Line Method

Fierce Animal Method of Rounding Off

Nearest 10

Peel Off and Throw Away Method of Rounding Off

Nearest 100

Rounding Off to the Nearest 10

Rounding Off to the Nearest 100

Rounding Off Summary

Some Extra Rounding Off

Rounding Off with Money

**Multiplication**

Properties of Multiplication

Multiplication is Commutative

Multiplication can be Grouped

Repeated Addition

Basic Multiplication Reinforcement – Dice

Basic Multiplication Reinforcement – Mirror or White Board

Basic Multiplication Reinforcement – Flash or Deck of Cards

Grouping

Times Tables

Multiplication 1-Digits by 1-Digit

Traditional Method – without Carry

Multiplication 2-Digits by 1-Digits

Traditional Method – without Carry

Multiplication 3-Digits by 1-Digits

Traditional Method – without Carry

Working with Brackets

**Division**

Properties of Division

Sharing

Division vs Multiplication Tables

Division Tables

Division without Remainders

Single Digit

Double Digits

Three Digits

Double Digits

Division with Remainders Time to Practice on Your Own Dividing of Single Digit with a Remainder

Dividing of Double Digits with a Remainder

Dividing of Three Digits with a Remainder

Dividing of Double Digits with Remainders inside the Division Bracket

Without Remainders

With Remainders

**Doubling and Halving**

**Doubling**

Doubling – Progression

**Halving**

Halving of Even Numbers – Progression

Halving of Uneven Numbers – Progression

**Fractions**

Naming a Fraction (Numerator & Denominator)

Fractions – Parts & Whole

Identifying Numerators and Denominators

Adding Fractions (Same Denominator)

Equivalent Fractions

Comparing Fractions (<=>)

Fractions and Number Lines

**Money**

Solving Money Problems Where Cents are Converted to Rands

Solving Money Problems Where Rands are Converted to Cents

Adding Money (Decimal Numbers or Numbers with a Comma)

Subtracting Money (Decimal Numbers or Numbers with a Comma)

**Measurement**

**Distance**

Let’s Get to Basics

Which Measurement Is Closest to the Actual One?

Working with Length

Change mm to cm

Change cm to mm

Change cm to m

Measure the Length of the Lines Below

Draw a Line

Instruments that Measure Distance

**Mass**

Let’s Get to Basics

Which is Heavier?

Add the Following Masses

What Would You Measure the Mass of the Following Items?

Instruments That Measure Mass

**Time**

Time – Things You Should Know

Abbreviations

24 Hour Day

Reading Time

Tips to Remember

O’clock Time

Half Past Time

Earlier and Later

Days in the Month

Learning the Rhyme Using Your Knuckles

Examples of Clocks Throughout History

How Much Do You Know About Time?

Instruments That Measure Time

**Capacity**

Using Measuring Jugs

How Many Millilitres Are There?

How Many Litres Are There?

Using Measuring Cylinders

How Many Teaspoons?

Measuring Containers

Instruments That Measure Capacity

Instruments That Measure Temperature

**Geometry** – Line of Symmetry in 2-D Shapes

Symmetry

Images with a Line of Symmetry

Letters with a Line of Symmetry

Words with a Line of Symmetry

Complete the Symmetrical Image

**Geometry** 2-D and 3-D Shapes

2-D Shapes

3-D Shapes Terminology

**Data Handling**

Bar Graph Line Graph

Pie Graph

Picture Graph Tally Chart

Tips for Drawing a Bar Graph Drawing a Bar Graph Reading a Graph or Chart

**Answers**