

NumberSense

Mathematics Programme

Product
Guide



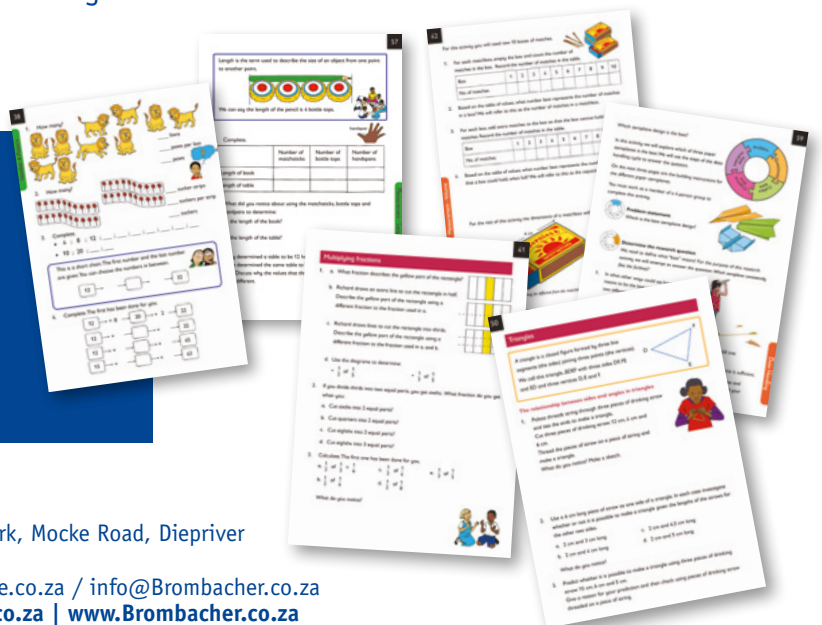
Experiencing mathematics as a sense-making, problem-solving activity!

Underpinning the NumberSense™ Mathematics Programme is the belief that children can experience mathematics as a sense-making, problem-solving experience. This happens when children develop knowledge with understanding, that they can apply in unfamiliar situations, while being able to explain (reason about) what they are doing.

The development of the NumberSense™ Mathematics Programme has been guided by clear developmental trajectories for all of the mathematical concepts. These developmental trajectories draw on mathematics education research about how children learn mathematics, with a particular focus on developing mathematical reasoning. By building connections and exploring similarities and differences between activities and tasks, the NumberSense materials support children in developing a robust structural understanding of mathematics. The workbooks of the NumberSense™ Mathematics Programme represent a mathematical journey from the start to the end of primary school. Presented as a journey, the programme provides for differentiated teaching that is responsive to the developmental level of each child.

The workbooks represent an all-inclusive mathematics programme that addresses all of the primary school mathematics learning outcomes in a single set of workbooks.

The NumberSense™ Mathematics Programme provides a comprehensive, coherent, and exciting mathematics teaching and learning solution.



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& Associates**

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NumberSense Mathematics Programme Workbooks



Grade R



Grade 1-3



Grade 4-6



Grade 7

Language of Workbooks:

Workbooks 00-28 available in English and Afrikaans

Workbooks 00-12 available in Sepedi, Sesotho, Setswana, siSwati, Tshivenda,

Xitsonga, isiNdebele, isiXhosa, and isiZulu (printed on demand and subject to quantity)

NumberSense Mathematics Programme Resources

Attribute Blocks:

Set of Blocks



60
PIECES

Mosaic Puzzle:

Single Puzzle
Classroom Set



7
PIECES

Tangram Puzzle:

Single Puzzle
Classroom Set



7
PIECES

Connecting Cubes:

Set of Cubes



100
PIECES

Time:

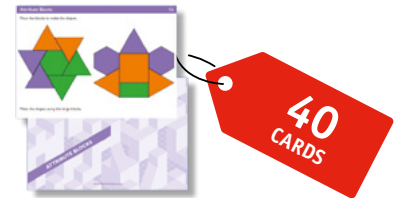
Activity Cards



187
CARDS

Attribute Blocks:

Activity Cards



40
CARDS

Mosaic Puzzle:

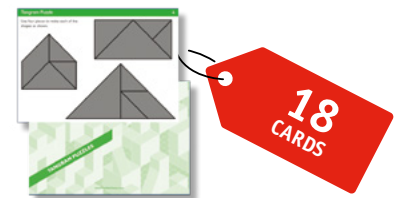
Activity Cards



18
CARDS

Tangram Puzzle:

Activity Cards



18
CARDS

Connecting Cubes:

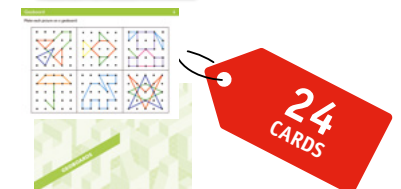
Activity Cards



18
CARDS

Geoboard:

Activity Cards



24
CARDS

Activity Kits



Activity Kit (Standard)

Consists of:
 1 x set Time Activity Cards
 1 x set Attribute Blocks Activity Cards
 1 x set GeoGenius Construction Kit Activity Cards
 1 x set Tangram Puzzle Activity Cards
 1 x set Mosaic Puzzle Activity Cards
 1 x set Connecting Cubes Activity Cards
 1 x set Geoboard Activity Cards

**STANDARD
ACTIVITY CARDS**

Activity Kit (Super)

Consists of:
 1 x Activity Kit (Standard). See above
 3 x Attribute Block sets
 3 x Connecting Cube sets
 1 x Classroom set Tangram Puzzles
 1 x Classroom set Mosaic Puzzles

**SUPER
ACTIVITY CARDS
& RESOURCES**

GeoGenius Construction Kit

**SUPER
624 SHAPES**

**STANDARD
203 SHAPES**



GeoGenius Visualisation Kit



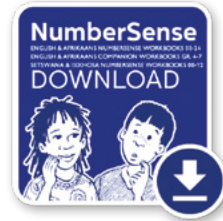
**1 KIT
(4 PLAYERS)**

GeoGenius Construction Kit Activity Cards

**18
CARDS**



Projection Workbooks²



DOWNLOAD

Device Stamp Set

**4 STAMPS
& INK PAD**



Manipulating Numbers Videos²



DOWNLOAD

MathsSense Grade 8 & 9

**AUDIO-VISUAL
SELF-STUDY**



Numberline

PVC



Flard Cards

Single Set
Classroom Set



**36
PIECES**

**20
SETS**

Number and Pattern Workbooks¹

Workbook 1-24 (while stocks last)

¹ The Original NumberSense Workbooks (Number & Pattern)

² Download (at no charge from the Classroom Resources tab in the online shop: NumberSense.co.za/shop)



**NUMBER
& PATTERN**

10 compelling reasons to use the NumberSense™ Mathematics Programme as your mathematics programme of choice



Grade R



Grade 1-3

The programme:

1. Provides a comprehensive mathematics teaching and learning solution for Grades R to 7.
2. Is informed by research on how children learn mathematics.
3. Is grounded in evidence-based practices and is responsive to the feedback from and needs of the NumberSense User Group.
4. Supports differentiation and provides learning opportunities for children at their developmental level.
5. Encourages independent engagement by children.
6. Uses context-based problems to reveal mathematics.
7. Includes an extensive range of teaching and learning resources that can be used in conjunction with the workbooks or used independently.
8. Provides extensive support to schools and teachers by:
 - a.) Hosting an annual NumberSense User Group conference that brings together teachers from across the country to share experiences and learn about programme developments and implementation strategies.
 - b.) Presenting a minimum of two all-day SACE-accredited workshops in all major city centres every year.
 - c.) Providing school-based support visits that include lesson demonstrations, teacher observation and feedback, bespoke workshops to address the school's need, and parent meetings.
9. Has an expansive website with a vast range of free downloadable resources (www.NumberSense.co.za).
10. Has been used in a wide range of contexts for more than a decade with great success.



Grade 4-6



Grade 7