

# NumberSense

ONLINE WORKSHOP SERIES 2020



## Understanding and using the NumberSense Mathematics Programme

In this workshop we will explore the NumberSense Mathematics Programme:

- What is special about the programme, and why it is structured the way that it is?  
What are the material/resources that make up the programme?
- How is the programme most effectively implemented in a classroom?
- and,
- The role of the NumberSense routines in structuring and organising mathematics lessons.

*The workshop is ideal for teachers from Grade R to 7 who are either new to or unfamiliar with the NumberSense Mathematics Programme.*

To register (limited to 100 attendees) please click on the session, date and time that work for you, and follow the registration prompts from there:

[Wednesday, 30-Sep 14:00-16:00](#) / [Saturday, 03-Oct 09:00-11:00](#) / [Saturday, 28-Nov 09:00-11:00](#)

**NO CHARGE**

## Fractions: The development of the fraction concept in the NumberSense programme

In this workshop we will explore the development of the fraction concept in the NumberSense Mathematics Programme. The workshop will address:

- The age and grade appropriate developmental trajectory for the fraction concept used in the NumberSense workbooks from Grade 2 to Grade 7.
- The role of problems in teaching and learning about fractions so that children experience the development of the fraction concept as a meaningful, sense-making activity.

To register (limited to 100 attendees) please click on the session, date and time that work for you, and follow the registration prompts from there:

[Wednesday, 7-Oct 14:00-16:00](#) / [Saturday, 10-Oct 09:00-11:00](#)

**NO CHARGE**

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**Pre-Algebra:  
The development of  
algebraic thinking in the  
NumberSense programme**

In this workshop we will explore the development of pre-algebraic thinking (patterning) in the NumberSense Mathematics Programme. The workshop will address:

- The role of patterning in developing number sense in particular and mathematical proficiency in general and pre-algebraic thinking.
- The age and grade appropriate developmental trajectory for pre-algebraic thinking used in the NumberSense workbooks from Grade 3 to Grade 7.
- Patterns, representations and their interrelationships.

To register (limited to 100 attendees) please click on the session, date and time that work for you, and follow the registration prompts from there:

[Wednesday, 14-Oct 14:00-16:00](#) / [Saturday, 17-Oct 09:00-11:00](#)

**NO CHARGE**

**Geometry:  
The development of  
geometric thinking in the  
NumberSense programme**

In this workshop we will explore the development of spatial reasoning (space and shape [geometry]) in the NumberSense Mathematics Programme. The workshop will address:

- The relationship between the NumberSense Companion activities and workbooks (which address measurement, geometry and data handling) and the NumberSense Workbooks.
- The age and grade appropriate developmental trajectory for spatial reasoning (space and shape [geometry]), based on the Van Hiele's levels of geometric thinking, used in the NumberSense workbooks from Grade R to Grade.

To register (limited to 100 attendees) please click on the session, date and time that work for you, and follow the registration prompts from there:

[Wednesday, 11-Nov 14:00-16:00](#) / [Saturday, 14-Nov 09:00-11:00](#)

**NO CHARGE**