Literacy and Numeracy Parent Workshop
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Successful Students – Effective Practices – Connected Communities
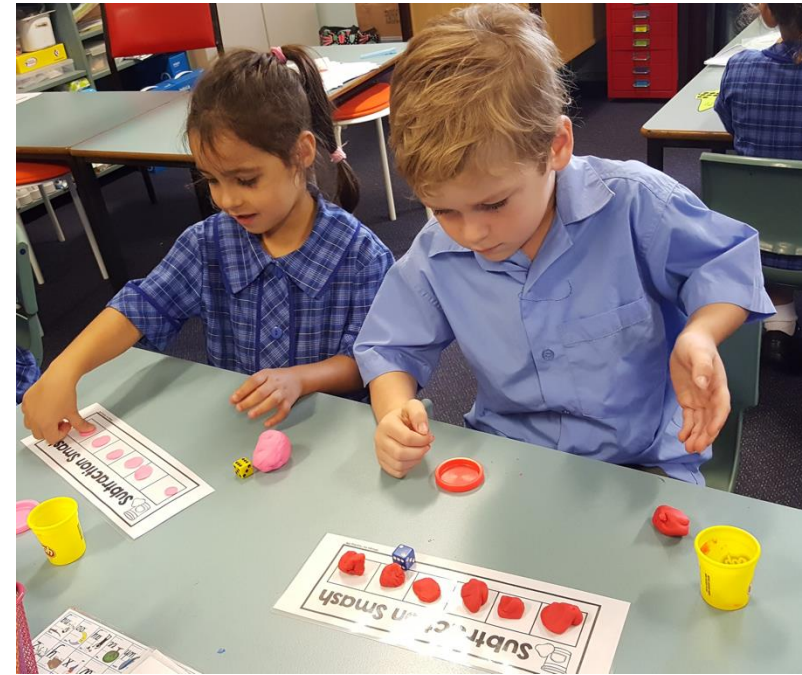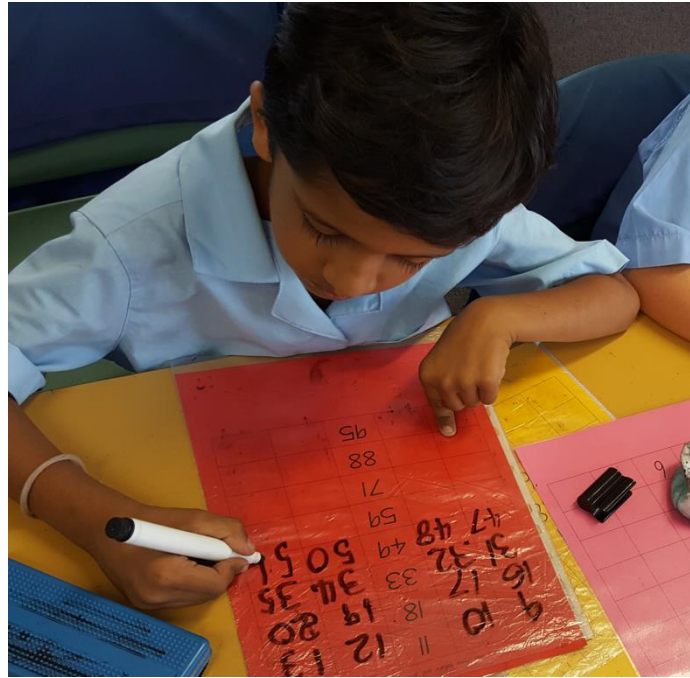
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Learning and Growing together

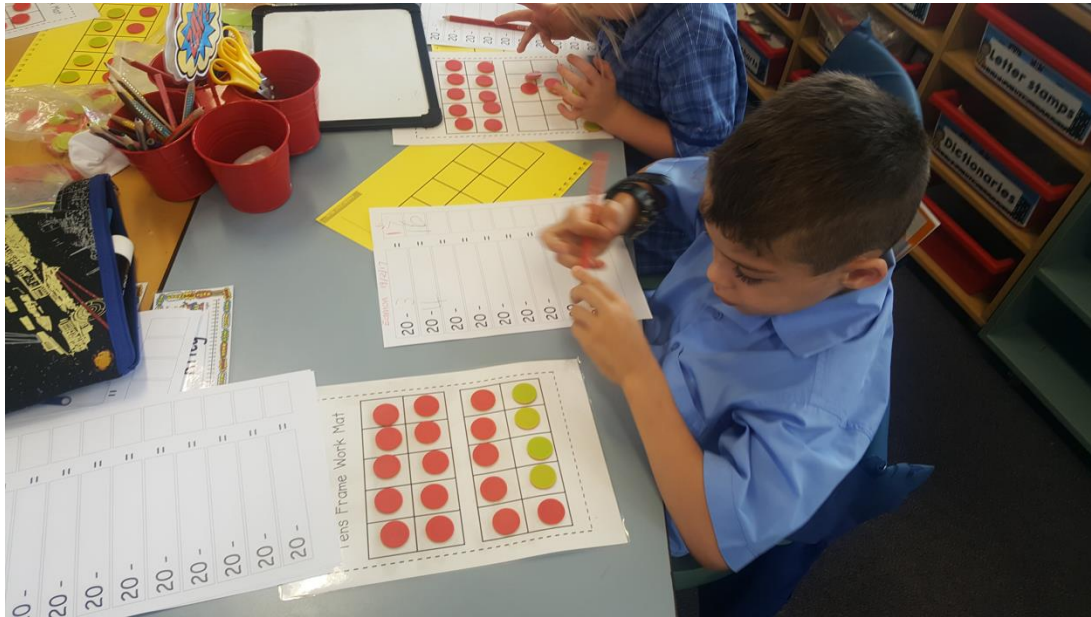# Literacy and Numeracy Parent Workshop
Numeracy K-2

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Overview

* Numeracy
* Supporting Learning at Home
  * Terminology
  * Games/Activities
* MPPS Maths Stars/Mad Minute

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What is numeracy?

* Mathematical literacy
* The ability to:
  * reason with numbers and other mathematical concepts.
  * apply concepts in a range of contexts, and solve a variety of problems.

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Numbers

Kindergarten

* Forwards and backwards counting
* Understanding a count matches an object
* Understanding that ten ones are also one ten, (number system)

Year 1 and 2

❖ Numbers up to 1000

❖ Partition numbers in standard and non-standard forms (500 ones = 50 tens = 5 hundreds)

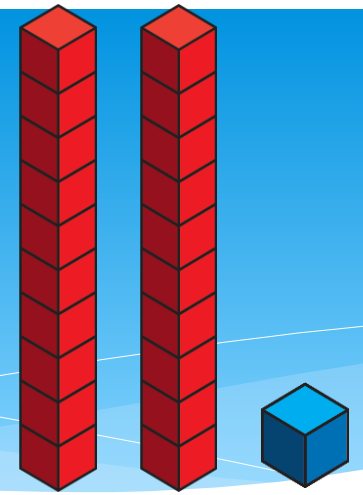❖ Counting on and off decade

❖ Rounding/Fractions down to eighths

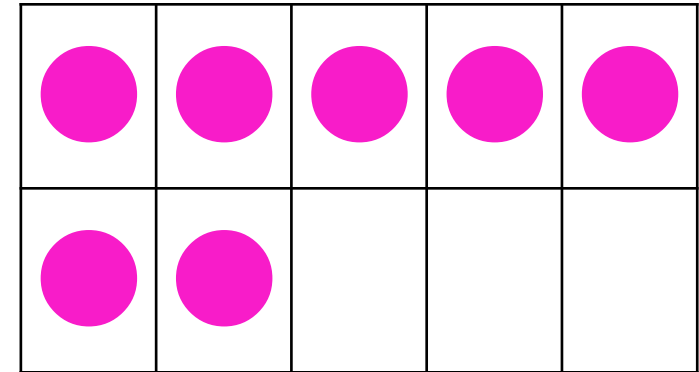**Melrose Park Public School**

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Addition and Subtraction

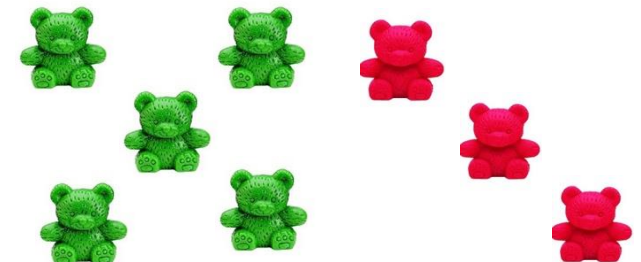## Kindergarten

* Combining objects and removing objects
* Visualisation and Subitising – Fingers, Tens Frames, Dice, Number lines, Numbercharts

Year 1 and 2

* Using efficient strategies - Counting On/Back (1,2,3), Doubles and Near Doubles, Friends of 10, Bridging to 10, Place Value
* Expand to jump, split and compensation

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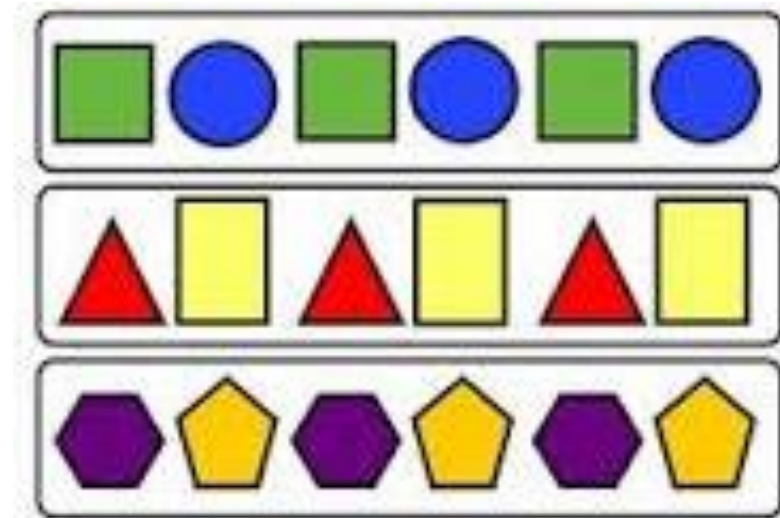*Learning and Growing together*

Patterns and Algebra

Kindergarten

* Repeating patterns
* Simple number patterns

Year 1 and 2

* Solving missing number patterns
* Solving missing addends/subtrahends

$$5 + \square = 13 \qquad 15 - \square = 9$$

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Multiplication and Division

Kindergarten

* Equal groups
* Fair shares

Year 1 and 2

* Repeated addition and subtraction
* Rows, columns, arrays

Times tables not until Year 3.

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Teaching Tools

* Concrete objects
* Hands on tasks
* Games

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How To Help Your Child

* Booklets/terminology
* Role model being a mathematician

Mossvale Public School K-6 Grade Expectations in Numeracy Booklets
http://www.mossvale-p.schools.nsw.edu.au/parent-support

Mathematical Definitions and Processes
from www.schoolatoz.nsw.edu.au

NSW Mathematics Syllabus
https://syllabus.nesa.nsw.edu.au/mathematics/mathematics-k10/

Dice, Domino and Card Games
https://education.nsw.gov.au/teaching-and-learning/curriculum/literacy-and-numeracy/teaching-and-learning-resources/numeracy/resources/dice-games
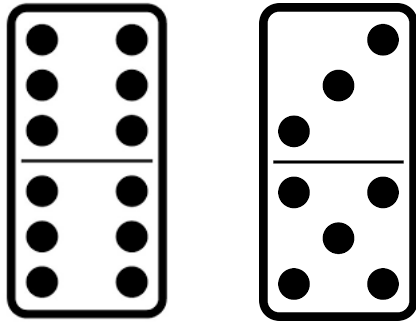
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Play Games!

At home!

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Riding the bus!

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When You're Driving!

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Shopping!

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Shoe and Clothing Sizes!

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At Sport!

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Time!

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Maths Stars and Mad Minute

🟠 Orange Circle

I can count forwards by ones from any two digit number to 100.			
I can read any two digit number.			
I can write any 2 digit number.			
I know that the order of numbers in addition does not matter.			
I can add and subtract 0.			
I can read an addition number sentence.			
I can read a subtraction number sentence.			

Count on 3

4 + 3 =	5 + 3 =	4 + 3 =	9 + 3 =	8 + 3 =
7 + 3 =	3 + 8 =	3 + 3 =	3 + 6 =	3 + 5 =
3 + 5 =	3 + 6 =	3 + 4 =	3 + 8 =	7 + 3 =
3 + 8 =	5 + 3 =	7 + 3 =	4 + 3 =	8 + 3 =
6 + 3 =	3 + 7 =	3 + 5 =	3 + 5 =	3 + 3 =

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Learning Partnership

* Students
* Parents/Carers
* School

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