



Welcome to Ryde East Public School Kindergarten Expo

Numeracy Development



Helping your child develop their numeracy skills

Numeracy involves being able to understand how numbers work in everyday situations.

We see and use numbers daily. When reading there are numbers on the page, our house has a number and when we buy something we add and subtract numbers.

Help your child to develop a positive attitude towards numeracy.

It's important to build numeracy skills in your home language.



Numbers and counting

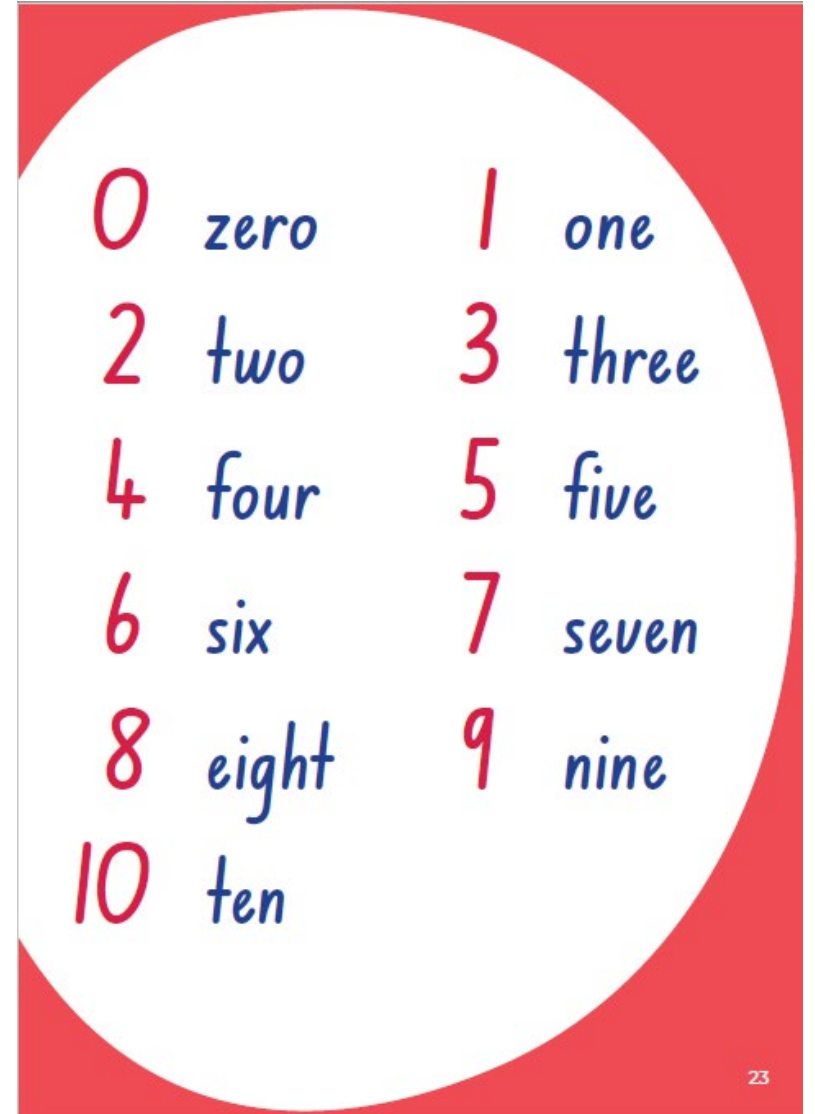
An early skill children develop is counting.

Counting includes:

- saying and recalling numbers in the correct order
- matching number words to objects
- knowing that the last number counted represents the total number of objects

Words to use

- count forward, count backwards
- number before, number after
- more than, less than
- is the same as





Activities to encourage learning about numbers

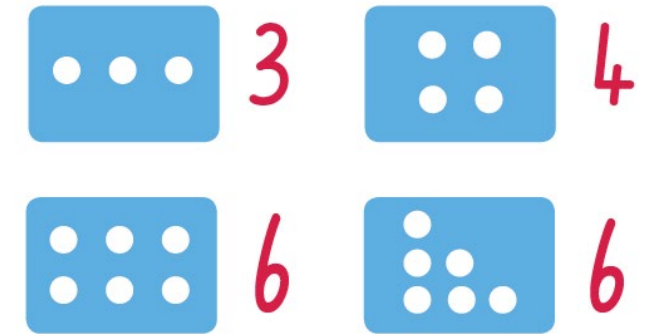
- **Use dice that have numbers and dots** to help your child recognise numbers and amounts. Ask your child, “How many dots are on the dice?”
- **Play board games together** that use dice and counting.
- **Read and share stories.** Talk about counting, amounts, and the numbers you see in a book, including the page numbers.
- **Ask your child to find numbers when going on a walk.** Ask your child, “What numbers can you see?” Talk about house numbers, car number plates and street signs.
- **Talk about the numbers** on everyday items such as clocks and phones. Help your child to recall helpful numbers.

Recognising the number of objects or dots

Dice dot patterns



Dot patterns



Domino dot patterns



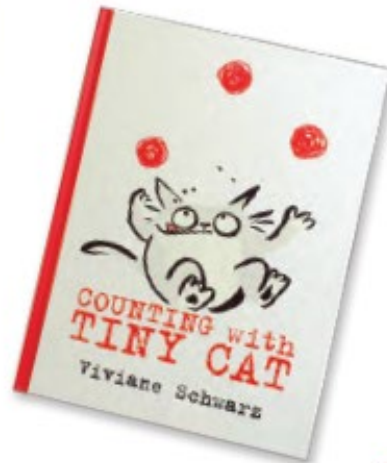
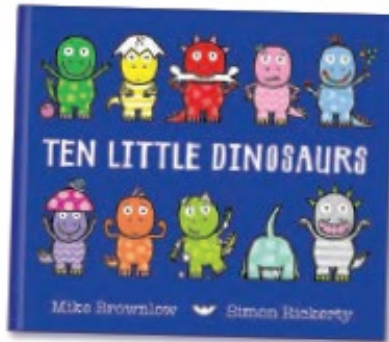
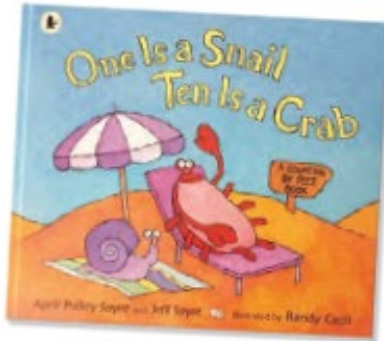


Counting with your child

- **Count when you do things around the house.** Cook simple recipes together and get your child to count out the ingredients.
- **Encourage your child to help set the table** for a family meal. Ask them to count the people, and the plates, cups, forks and spoons needed for the table.
- **Count with your child** the number of buttons as they do up their school shirt.
- Ask your child to **count how many items** are in their lunch box.
- **Count forward.** Count everyday items such as cars, horses, shoes and bags.
- **Count backwards.** Going downstairs then upstairs. 10, 9, 8



Books about numbers and counting



Counting songs

- Here is the Beehive
- Five Little Ducks
- The Ants Go Marching
- One, Two, Buckle My Shoe
- Five Cheeky Monkeys Jumping on the Bed
- Ten Green Bottles



Adding and subtracting

Young children need to develop a sense of addition and subtraction. This includes combining two or more objects and removing and separating objects.

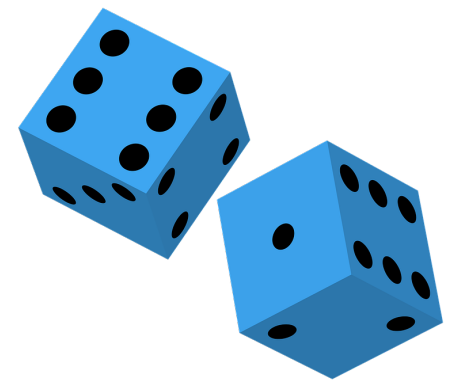
Words to use

- combines with
- joins
- less
- more





Adding and subtracting



Activities that encourage adding

- **Add amounts of everyday items**, toys, fruit, books. Children may use their fingers to add.
- As you are walking **add the number of different items** you see, for example flowers in a garden.
- On a calendar, ask your child to mark the days they went to school or did another activity. At the end of the week **add the number of days for each activity**.
- When you are shopping, talk about what you need to buy. **Ask questions** such as, “How many bananas for everyone in the family? If I get one more, how many will we have?”
- **Play games that encourage adding using two dice**, for example Snakes and ladders.

Books about adding and subtracting



Activities to encourage subtracting

- **Subtract everyday items.** Count the items in their lunch box and then subtract as items are taken away.
- **When eating count how many items you have.** Ask questions such as, “How many grapes have you eaten? How many are left?”
- Encourage your child to **notice the difference when items are removed** such as taking eggs out of a carton or removing bananas from a bunch.
- **Sing songs** such as Five Little Ducks, where the number reduces as one is taken away.
- **Ask questions** such as, “We have five apples in the bowl. If I ate two apples how many apples are left?”



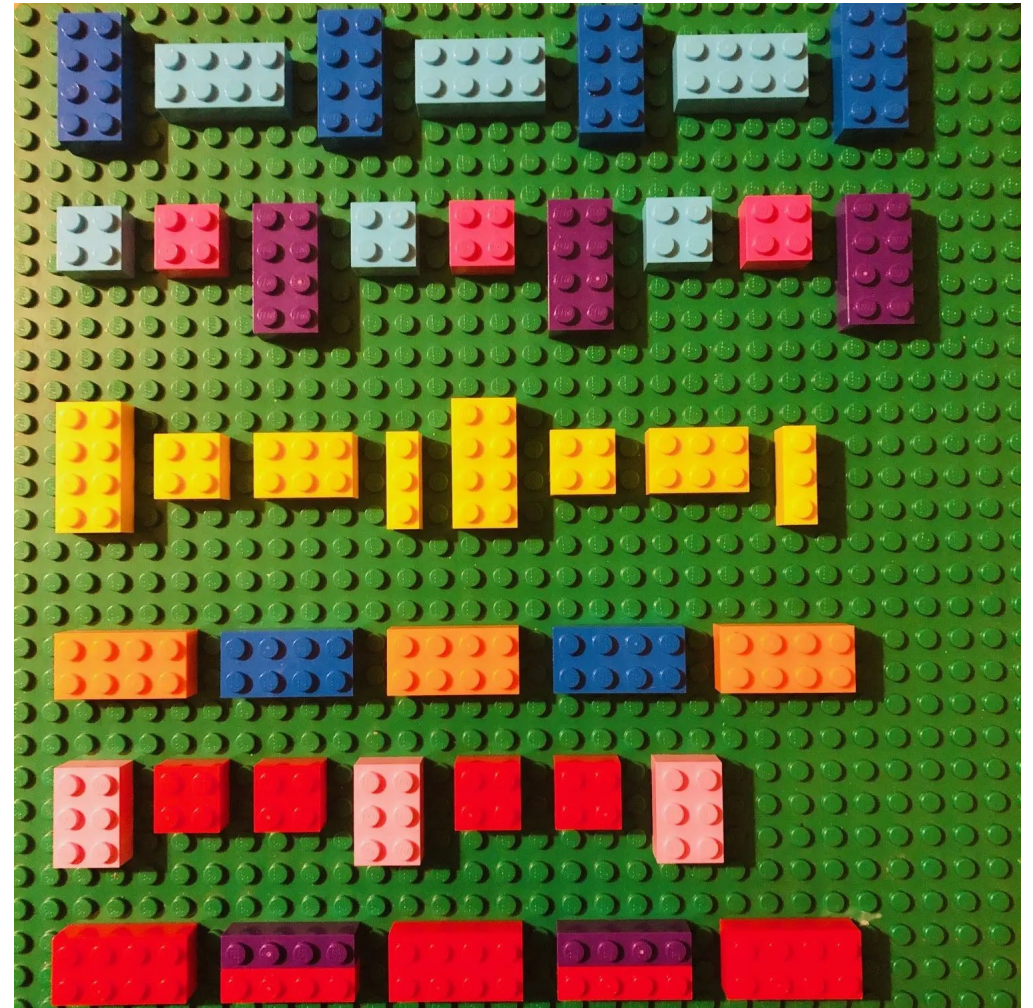
Identifying and creating patterns

A pattern is a repeated set. It can be made from shapes, sounds, numbers or objects.

Children can learn to recognise, identify, create, copy and continue patterns through daily activities.

Words to use

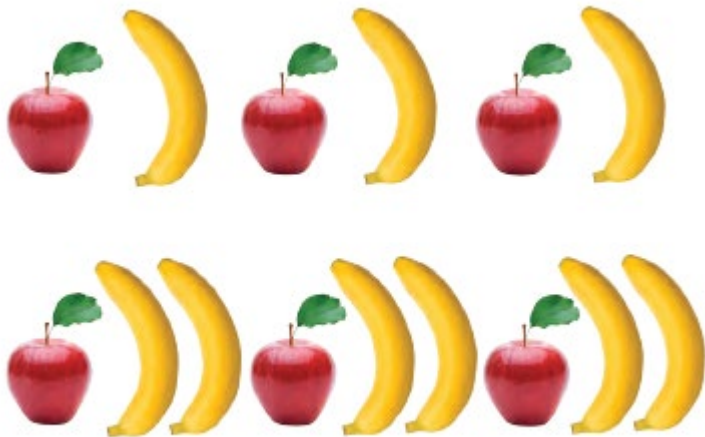
- repeat
- continue
- create
- identify
- describe
- pattern





Recognise and identify patterns

- **Identify patterns** such as wrapping paper, bathroom tiles and driveways. Talk about the different patterns and what makes it a pattern.
- **Talk about patterns.** Ask questions such as, “Why is it a pattern?” “What makes this a pattern?” “How can you continue this pattern?”
- **Play games with cards, dominoes or dice** to help your child recognise patterns.



Copying patterns

- Play clapping games where you **clap a pattern** and your child repeats the pattern. Ask your child to clap a pattern that you request.
- **Set the table together for a meal using a pattern** such as plate and spoon, plate and spoon, plate and spoon.

Creating patterns

- **Create patterns with everyday items** like toys and fruit.
- **Start with simple patterns** and then **create harder patterns** such as one apple, two bananas, one apple, two bananas, one apple, two bananas.



Enrol Now

Enrolments are open!

Contact our school office via phone or email to arrange a **COVID safe** completion of enrolment papers.

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