

# Mathematics in Kindergarten

Mathematics in K–6 focuses on developing students' mathematical understanding, fluency, communication, reasoning and problem-solving through their study of Number and Algebra, Measurement and Geometry, and Statistics and Probability. These capabilities enable students to respond to familiar and unfamiliar situations, using strategies to make decisions and solve problems relevant to their further education and everyday lives.

In Kindergarten

Students:

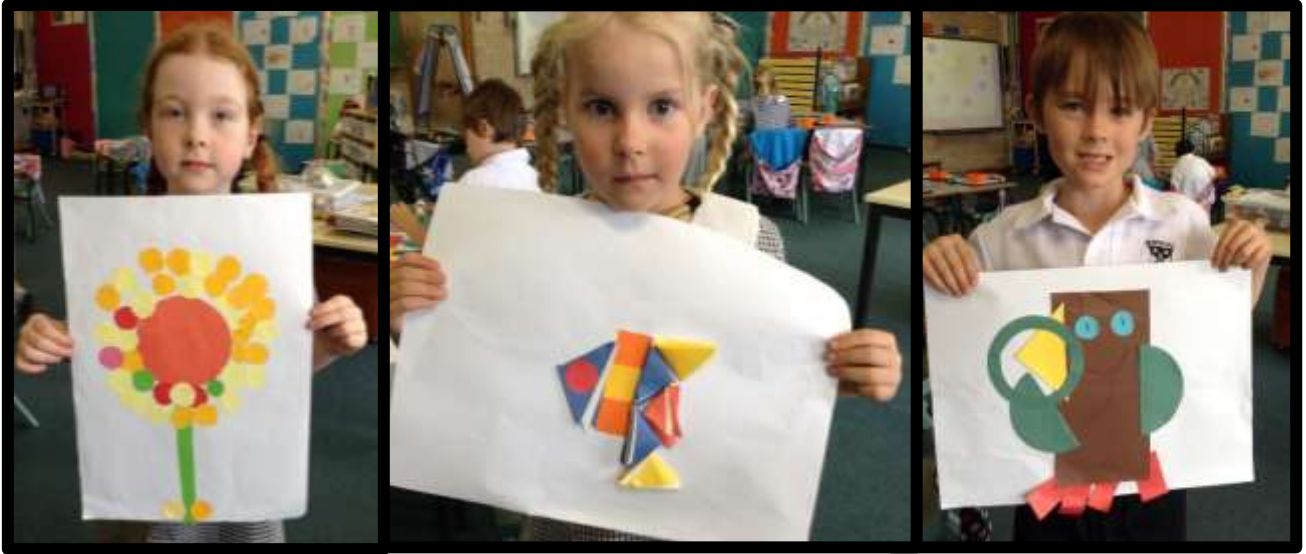
- count aloud to 30 and recognise numbers 0 to 20
- manipulate objects such as counters to help add and subtract numbers
- use the language of money in everyday situations, eg coins, notes, dollars
- count forwards by one to add and backwards by one to subtract
- name the days of the week
- tell the time to the hour, eg four o'clock
- identify and name simple shapes, eg circles, squares
- use position terms, eg 'between', 'behind', 'right', 'left'
- recognise that halves are equal parts.



The following activities will help to encourage the development of Number concepts.

- Count with your child whenever possible. Play counting games while travelling in the car and sing counting rhymes. Remember to count forward and backwards starting from different numbers.
- Look for numbers in your local area (eg house numbers, prices, speed signs, Roman numerals) and discuss how the numbers are used.
- Play board games as a family and discuss the chance of throwing a particular number on a die in order to win the game.
- Encourage your child to use money. Support your child's efforts to calculate change.
- When your car pulls up behind the car in front, you might have a competition to see how many different answers children can make using the numbers from the car number plate. For example, if the number plate is ABC 152 the children might say  $1 + 5 + 2 = 8$ .
- A pack of playing cards can be used to play mathematical games that involve the recall of number facts. For example, Addition and Subtraction Snap involves turning over two cards from the top of the pack with the first person to say the sum/difference winning a point.
- Develop mental computation strategies with your child by doing calculations in your head. Share your strategies and think of different ways of calculating the answer. There are often many different ways to do calculations mentally. Children need to experience different ways so that they can develop a range of mental strategies.

## Shapes



## Counting



## Patterns



# Number

