Number

Shape and Space

Algebra

Data

Measures

NUMBER

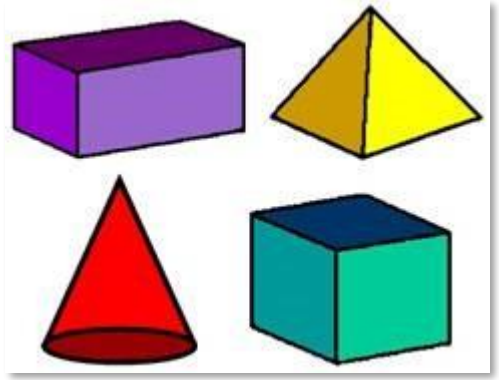
Addition, Subtraction, Multiplication and Division, Fractions, Decimals

- Explore and identify place value in whole numbers, 0-999
- Read, write and order three-digit numbers
- Round whole numbers to the nearest 10 or 100
- Add without and with renaming within 999
- Know and recall addition facts
- Solve word problems involving addition
- Subtract without and with renaming within 999
- Know and recall subtraction facts
- Solve word problems involving addition and subtraction

- Develop an understanding of multiplication as repeated addition and vice versa
- Develop and/or recall multiplication and division facts within 100
- Explore, understand and apply the distributive properties of multiplication
- Explore, understand and apply the zero properties of multiplication
- Multiply a 1-digit or a 2-digit number by 1–10
- Solve and complete practical tasks and problems involving multiplication of whole numbers
- Develop an understanding of division as sharing and as repeated subtraction without and with remainders
- Divide a 1-digit or 2-digit number by a 1-digit number without and with remainders
- Solve and complete practical tasks and problems involving division of whole numbers

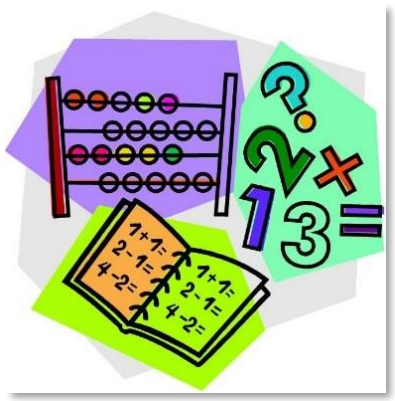
- Identify fractions and equivalent forms of fractions with denominators 2, 4, 8 and 10
- Compare and order fractions with appropriate denominators and position on the number line
- Develop an understanding of the relationship between fractions and division
- Solve and complete practical tasks and problems involving fractions
- Identify fractions and equivalent forms of fractions with denominators of 2, 4, 8 and 10
- Identify tenths and express them in decimal form
- Order decimals on the number line
- Solve problems involving decimals
- Calculate a fraction of a set using concrete materials
- Develop an understanding of the relationship between fractions and division
- Calculate a fraction of a number and calculate a number given a fraction of the number
- Solve and complete practical tasks and problems involving fractions

SHAPE AND SPACE



- Identify, describe and classify 2-D shapes: square, rectangle, triangle, hexagon, circle, semicircle, oval and irregular shapes
- Explore, describe and compare the properties (sides, angles, parallel and non-parallel lines) of 2-D shapes
- Construct and draw 2-D shapes
- Combine, tessellate and make patterns with 2-D shapes
- Identify the use of 2-D shapes in the environment
- Solve and complete practical tasks and problems involving 2-D shapes
- Identify, describe and classify parallel, vertical and horizontal lines
- Identify and draw lines of symmetry in 2D shapes
- Identify lines of symmetry in the environment
- Recognise an angle in terms of rotation
- Classify angles as greater/less than or equal to a right angle
- Solve problems involving lines and angles

ALGEBRA



- Explore, recognise and record patterns in number 0-999
- Explore, extend and describe (explain rule for) sequences
- Use patterns as an aid in the memorisation of number facts
- Solve one step number sentences
- Translate an addition/subtraction number sentence with a frame into a word problem

DATA

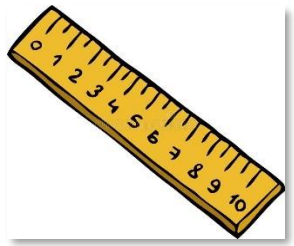
- Use vocabulary correctly; chance, likely, unlikely, never, definitely
- Identify and record outcomes of simple random processes
- Order events in terms of likelihood of occurrence
- Collect, organise and represent data using pictograms, block graphs and bar charts
- Read and interpret tables, pictograms, block graphs and bar charts
- Use data sets to solve and complete practical tasks and problems

MEASURES

Time, Money, Length, Height, Width, Weight, Capacity and Area

- Consolidate and develop further a sense of passing time
- Read time in 5-minute intervals on analogue/digital clocks
- Record time in analogue/digital form
- Solve and complete practical tasks and problems involving times and dates
- Rename hours as minutes and minutes as hours
- Read dates from calendars and express weeks as days and vice versa
- Read and interpret simple timetables

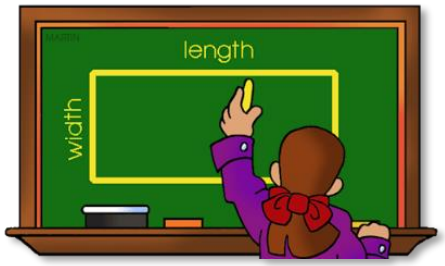
- Solve and complete 1 step problems involving the addition/subtraction of Money
- Rename amounts of euro/cent and record using symbols and decimal points
- Solve word problems involving Money



- Estimate, compare, measure and record lengths of a wide variety of objects using appropriate metric units (metres, centimetres)
- Rename units of length in metres and centimetres
- Solve and complete practical tasks and problems involving the addition and subtraction of lengths (metres, centimetres)

- Estimate, compare, measure and record the weight of a wide variety of objects using appropriate metric units (kilograms, grams)
- Solve and complete practical tasks and problems involving the addition and subtraction of weights (kg and g)

- Estimate, compare, measure and record the capacity of a wide variety of objects using appropriate metric units (litres, millilitres)
- Solve and complete practical tasks and problems involving the addition and subtraction of capacity (l, ml)



- Estimate, compare and measure the area of regular and irregular shapes