MATHS EYFS page 1

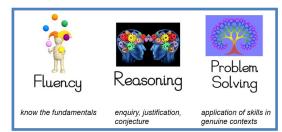
Highlight by term

Autumn

Spring

Summe

Continuously revisited throughout



NUMBER

Knowledge

- Have a deep understanding of number to 10, including the composition of each number
- Subitise (recognise quantities without counting) up to 5
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
- Link the numeral to its number value

Skills:

- Count by matching one number name to each item
- Count out a smaller number from a larger group
- Show numbers up to 4 and 5 on fingers without counting
- Recognise a number is made up of different parts

Numerical patterns

Knowledge

- Verbally count beyond 20, recognising the pattern of the counting system
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
- Understand the 'one more than/one less than' relationship between consecutive numbers

Skills:

- Use the language 'more than', 'less than', 'fewer', 'the same as', 'equal to'.
- Distribute items evenly ie. 3 in each bag

Fluency





MATHS EYFS page 2

FRACTIONS

MEASUREMENT

Knowledge

Compare length, weight and capacity

Skills

- Make and test predictions, ie. Which cup will hold more?
- Use vocabulary 'than' ie. This is longer than that one

GEOMETRY

Properties of shapes

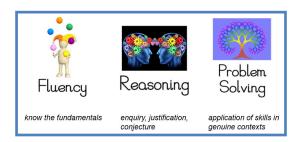
Knowledge

- Select, rotate and manipulate shapes to develop spatial reasoning skills.
- Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.
- Continue, copy and create repeating patterns.
- Name common 2D and 3D shapes

Skills

- Copy 2D and 3D shape patterns
- Explore 2D shapes within 3D shapes
- Begin to describe 2D and 3D shapes

Position and direction



MATHS Y1 page 1

NUMBER

Knowledge

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- given a number, identify one more and one less
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- Recognise place value in numbers beyond 20

Skills

- To practice counting until they are fluent
- Recognise patterns in the number system

Addition and Subtraction

Knowledge

- read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including zero
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9.

Skills

- Memorise and reason about number bonds
- Understand the relationship between addition and subtraction
- They discuss and solve problems in familiar practical contexts, including using quantities

Multiplication and Division

Knowledge

• solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

Skills

- make connections between arrays, number patterns, and counting in twos, fives and tens.
- Understand multiplication and division, doubling numbers and quantities and finding simple fractions of objects, numbers and quantities.

MATHS Y1 page 2

FRACTIONS

Knowledge

- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Skills

- recognise and find half a length, quantity, set of objects or shape
- recognise and combine halves and quarters as parts of a whole

MEASUREMENT

Knowledge

- recognise and know the value of different denominations of coins and notes
- compare, describe and solve practical problems for:

time [for example, quicker, slower, earlier, later]

measure and begin to record the following:

time (hours, minutes, seconds)

- sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
- recognise and use language relating to dates, including days of the week, weeks, months and years
- tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
- compare, describe and solve practical problems for:

lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]

mass/weight [for example, heavy/light, heavier than, lighter than]

capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]

measure and begin to record the following:

lengths and heights, mass/weight, capacity and volume

Skills

- Measure using non-standard units
- use measuring tools such as a ruler, weighing scales and containers

GEOMETRY

Properties of shapes

Knowledge

- recognise and name common 2-D and 3-D shapes, including:
- 2-D shapes [for example, rectangles (including squares), circles and triangles]
- 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

Skills

- recognise these shapes in different orientations and sizes, and know that rectangles, triangles, cuboids and pyramids are not always similar to each other
- handle common 2-D and 3-D shapes, naming these and related everyday objects fluently

Position and direction

Knowledge

describe position, direction and movement, including whole, half, quarter and three quarter turns.

Skills

 make whole, half, quarter and three-quarter turns in both directions and connect turning clockwise with movement on a clock face.

MATHS Y2 page 1



NUMBER

Knowledge

- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- recognise the place value of each digit in a two-digit number (tens, ones)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use and = signs
- read and write numbers to at least 100 in numerals and in words

Skills

- Solve a variety of related problems to develop fluency
- Develop their recognition of patterns within the number system and represent them in different ways
- Pupils should partition numbers in different ways (for example, 23 = 20 + 3 and 23 = 10 + 13) to support subtraction

Addition and Subtraction

Knowledge

- solve problems with addition and subtraction:
 - § using concrete objects and pictorial representations, including those involving numbers, quantities and measures
 - § applying their increasing knowledge of mental and written methods
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
 - § a two-digit number and ones
 - § a two-digit number and tens
 - § two two-digit numbers
 - § adding three one-digit numbers
- show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot

Skills

- Practise addition and subtraction to 20 to become increasingly fluent in deriving facts
- Check their calculations, including by adding to check subtraction and adding numbers in a different order to check addition (for example, 5 + 2 + 1 = 1 + 5 + 2 = 1 + 2 + 5). This establishes commutativity and associativity

Multiplication and Division

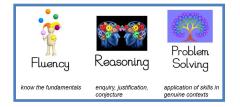
Knowledge

- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs
- show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot

Skills

- They begin to use other multiplication tables and recall multiplication facts, including using related division facts to perform written and mental calculations.
- They use commutativity and inverse relations to develop multiplicative reasoning

MATHS Y2 page 2



FRACTIONS

Knowledge

- recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity
- write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/4.

Skills

- Count in fractions up to 10
- Connect unit fractions to equal sharing and grouping, to numbers when they can be calculated, and to measures, finding fractions of lengths, quantities, sets of objects or shapes.

MEASUREMENT

Knowledge

- recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- find different combinations of coins that equal the same amounts of money
- solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
- compare and sequence intervals of time
- tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- know the number of minutes in an hour and the number of hours in a day
- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- compare and order lengths, mass, volume/capacity and record the results using >, < and =

Skills

- Become fluent in counting and recognising coins. They read and say amounts of money confidently and use the symbols £ and p accurately, recording pounds and pence separately.
- Use the appropriate language and record using standard abbreviations.
- Comparing measures includes simple multiples such as 'half as high'; 'twice as wide'.
- Become fluent in telling the time on analogue clocks and recording it.

GEOMETRY

Knowledge

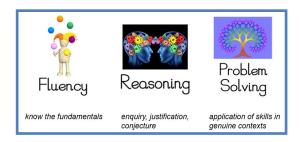
- identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line
- identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid
- Compare and sort common 2-D and 3-D shapes and everyday objects
- Oder and arrange combinations of mathematical objects in patterns and sequences
- Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

Skills

- Identify, compare and sort shapes on the basis of their properties and use vocabulary precisely, such as sides, edges, vertices and faces
- Read and write names for shapes that are appropriate for their word reading and spelling.
- Draw lines and shapes using a straight edge.

- interpret and present data using bar charts, pictograms and tables
- solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.

MATHS Y2 page 3



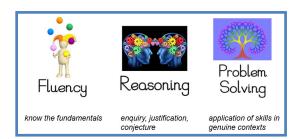
STATISTICS

Knowledge

- interpret and construct simple pictograms, tally charts, block diagrams and tables
- ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- ask-and-answer questions about totalling and comparing categorical data Skills
- interpret, collate, organise and compare information



MATHS Y3



NUMBER

- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- compare and order numbers up to 1000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1000 in numerals and in words
- solve number problems and practical problems involving these ideas.

Addition and Subtraction

- add and subtract numbers mentally, including:
 - a three-digit number and ones
 - a three-digit number and tens
 - a three-digit number and hundreds
- add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Multiplication and Division

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- write and calculate mathematical statements for multiplication and division using the multiplication tables that they
 know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written
 methods
- solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects.

FRACTIONS

- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above.

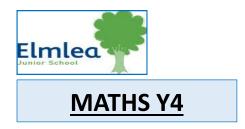
MEASUREMENT

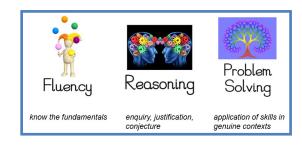
- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- measure the perimeter of simple 2-D shapes
- add and subtract amounts of money to give change, using both £ and p in practical contexts
- tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
- estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight
- know the number of seconds in a minute and the number of days in each month, year and leap year
- compare durations of events, for example to calculate the time taken by particular events or tasks.

GEOMETRY

- draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- recognise that angles are a property of shape or a description of a turn
- identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four
 a complete turn; identify whether angles are greater than or less than a right angle
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

- interpret and present data using bar charts, pictograms and tables
- solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.





NUMBER

- count in multiples of 6, 7, 9, 25 and 1000
- find 1000 more or less than a given number
- count backwards through zero to include negative numbers
- recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- order and compare numbers beyond 1000
- identify, represent and estimate numbers using different representations
- round any number to the nearest 10, 100 or 1000
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and
 place value.

Addition and Subtraction

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Multiplication and Division

- recall multiplication and division facts for multiplication tables up to 12 × 12
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- recognise and use factor pairs and commutatively in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

FRACTIONS (including decimals)

- recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten.
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to ¹/₄; ¹/₂; ³/₄
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths
- round decimals with one decimal place to the nearest whole number
- compare numbers with the same number of decimal places up to two decimal places
- solve simple measure and money problems involving fractions and decimals to two decimal places.

MEASUREMENT

- Convert between different units of measure (e.g. kilometre to metre; hour to minute)
- measure and calculate the perimeter of a rectilinear figure including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence
- read, write and convert time between analogue and digital 12 and 24-hour clocks
- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

GEOMETRY

Properties of shape

- compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- identify lines of symmetry in 2-D shapes presented in different orientations
- complete a simple symmetric figure with respect to a specific line of symmetry.

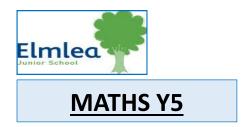
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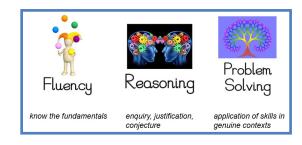


Position and direction

- describe positions on a 2-D grid as coordinates in the first quadrant
- describe movements between positions as translations of a given unit to the left/right and up/down
- plot specified points and draw sides to complete a given polygon.

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs





NUMBER

- •read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
- •count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
- •interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero
- •round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
- •solve number problems and practical problems that involve all of the above
- •Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

Addition and Subtraction

- •add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- add and subtract numbers mentally with increasingly large numbers
- •use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- •Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Multiplication and Division

- •Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- ●solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors
- know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- •establish whether a number up to 100 is prime and recall prime numbers up to 19
- •multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- •multiply and divide numbers mentally drawing upon known facts
- •divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- •multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- •recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
- •solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
- •Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.



MATHS Y5 cont...

FRACTIONS (including decimals and percentages)

- •compare and order fractions whose denominators are all multiples of the same number
- •identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
- •recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number

(e.g.
$$^{2}/_{5} + ^{4}/_{5} = ^{6}/_{5} = 1^{1}/_{5}$$
)

- •add and subtract fractions with the same denominator and multiples of the same number
- •multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- •read and write decimal numbers as fractions (e.g. 0.71 = ⁷¹/₁₀₀)
- •recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- •round decimals with two decimal places to the nearest whole number and to one decimal place
- •read, write, order and compare numbers with up to three decimal places
- •solve problems involving number up to three decimal places
- •recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction
- •Solve problems which require knowing percentage and decimal equivalents of $^{1}/_{2}$, $^{1}/_{4}$, $^{1}/_{5}$, $^{2}/_{5}$, $^{4}/_{5}$ and those with a denominator of a multiple of 10 or 25.

MEASUREMENT

- •convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
- •understand and use equivalences between metric units and common imperial units such as inches, pounds and pints
- •measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- •calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes
- •estimate volume (e.g. using 1 cm³ blocks to build cubes and cuboids) and capacity (e.g. using water)
- •solve problems involving converting between units of time
- •Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.

GEOMETRY

Properties of shapes

- •identify 3-D shapes, including cubes and other cuboids, from 2-D representations (nets)
- •know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
- •draw given angles, and measure them in degrees (°)
- •identify:
- •- angles at a point and one whole turn (total 360°)
- •- angles at a point on a straight line and ½ a turn (total 180°)
- •other multiples of 90°
- •use the properties of rectangles to deduce related facts and find missing lengths and angles
- •Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Position and direction

•Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

STATISTICS

•solve comparison, sum and difference problems using information presented in a line graph

Complete, read and interpret information in tables, including timetables.









know the fundamentals enquiry, justification, conjecture

application of skills in genuine contexts

MATHS Y6

NUMBER

- read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- round any whole number to a required degree of accuracy
- use negative numbers in context, and calculate intervals across zero
- solve number and practical problems that involve all of the above.

Addition and Subtraction, Multiplication and Division

- multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- perform mental calculations, including with mixed operations and large numbers.
- identify common factors, common multiples and prime numbers
- use their knowledge of the order of operations to carry out calculations involving the four operations
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- solve problems involving addition, subtraction, multiplication and division
- use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.

FRACTIONS (including decimals and percentages)

- use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- compare and order fractions, including fractions >1
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. ¹/₄ × ¹/₂ = ¹/₈)
- divide proper fractions by whole numbers (e.g. $\frac{1}{3+2} = \frac{1}{6}$)
- associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ³/₈)
- identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
- multiply one-digit numbers with up to two decimal places by whole numbers
- use written division methods in cases where the answer has up to two decimal places
- solve problems which require answers to be rounded to specified degrees of accuracy
- recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

RATIO and PROPORTION

- solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
- solve problems involving the calculation of percentages (e.g. of measures) such as 15% of 360 and the use of percentages for comparison
- solve problems involving similar shapes where the scale factor is known or can be found
- solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

ALGEBRA

- express missing number problems algebraically
- use simple formulae expressed in words
- generate and describe linear number sequences
- find pairs of numbers that satisfy number sentences involving two unknowns
- enumerate all possibilities of combinations of two variables.



MATHS Y6 cont...

MEASUREMENT

- solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
- use, read, write and convert between standard units, converting measurements of length, mass, volume and time
 from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal
 places
- convert between miles and kilometres
- recognise that shapes with the same areas can have different perimeters and vice versa
- recognise when it is possible to use formulae for area and volume of shapes
- calculate the area of parallelograms and triangles

calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³.

GEOMETRY

Properties of shapes

- draw 2-D shapes using given dimensions and angles
- recognise, describe and build simple 3-D shapes, including making nets
- compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

Position and direction

- describe positions on the full coordinate grid (all four quadrants)
- draw and translate simple shapes on the coordinate plane, and reflect them in the axes.

- interpret and construct pie charts and line graphs and use these to solve problems
- calculate and interpret the mean as an average.