## Balcombe C of E Primary School Maths Progression



## EYFS

## Three and Four year olds

Three and four year olds will be learning to:

- develop fast recognition of up to 3 objects, without having to count them individually ('subitising')
- recite numbers past 5
- say one number for each item in order: 1,2,3,4,5
- know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle')
- show 'finger numbers' up to 5
- link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5
- experiment with their own symbols and marks as well as numerals
- solve real world mathematical problems with numbers up to 5
- compare quantities using language: 'more than', 'fewer than'
- talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'
- understand position through words alone - for example, "The bag is under the table," - with no pointing
- describe a familiar route
- discuss routes and locations, using words like 'in front of' and 'behind'
- make comparisons between objects relating to size, length, weight and capacity
- select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc
- combine shapes to make new ones - an arch, a bigger triangle, etc
- talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs', etc


## Reception

Children in Reception will be learning to:

- count objects, actions and sounds
- subitise
- link the number symbol (numeral) with its cardinal number value
- count beyond 10
- compare numbers
- understand the 'one more than/one less than' relationship between consecutive numbers
- explore the composition of numbers to 10
- automatically recall number bonds for numbers 0-5 and some to 10
- 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
- compare length, weight and capacity
- extend and create $A B A B$ patterns - stick, leaf, stick, leaf
- notice and correct an error in a repeating pattern
- begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'


## ELG - Number

Children at the expected level of development will:

- 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


## Year 1

## Number - Number and Place Value

Pupils should be taught to:

- 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
- read and write numbers from 1 to 20 in numerals and words.


## Number - Multiplication and Division

Pupils should be taught to:

- 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.


## ELG - Numerical Patterns

Children at the expected level of development will:

- 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


## Number - Fractions

## Pupils should be taught to:

- 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.


## Geometry - Properties of Shapes

Pupils should be taught to:

- 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].


## Measurement

Pupils should be taught to:

- 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]
- time [for example, quicker, slower, earlier, later]
- measure and begin to record the following:
- lengths and heights
- mass/weight
- capacity and volume
- time (hours, minutes, seconds)
- recognise and know the value of different denominations of coins and notes
- 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


## Year 2

## Number - Number and Place Value

Pupils should be taught to:

- 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


## Geometry - Position and Direction

Pupils should be taught to:

- describe position, direction and movement, including whole, half, quarter and three-quarter turns.
- tell the time to the hour and half past the hour and draw the hands on a clock face to show these times


## Number - Addition and Subtraction

Pupils should be taught to:

- 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

| - read and write numbers to at least 100 in numerals and in words <br> - use place value and number facts to solve problems. | - add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <br> - a two-digit number and ones <br> - a two-digit number and tens <br> - two two-digit numbers <br> - adding three one-digit numbers <br> - show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot <br> - recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. |
| :---: | :---: |
| Number - Multiplication and Division | Number - Fractions |
| Pupils should be taught to: <br> - recall and use multiplication and division facts for the 2,5 and 10 multiplication tables, including recognising odd and even numbers <br> - calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $x$ ), division $(\div$ ) and equals (=) signs <br> - show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot <br> - solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | Pupils should be taught to: <br> - recognise, find, name and write fractions $1 / 3, \frac{1}{4}, 2 / 4$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity <br> - write simple fractions for example, $1 / 2$ of $6=3$ and recognise the equivalence of $2 / 4$ and $\frac{1}{2}$ |
| Geometry - Properties of Shapes | Geometry - Position and Direction |
| Pupils should be taught to: <br> - identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line <br> - identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces <br> - identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] <br> - compare and sort common 2-D and 3-D shapes and everyday objects. | Pupils should be taught to: <br> - order and arrange combinations of mathematical objects in patterns and sequences <br> - 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). |
| Measurement | Statistics |
| Pupils should be taught to: <br> - choose and use appropriate standard units to estimate and measure | Pupils should be taught to: <br> - interpret and construct simple pictograms, tally charts, block diagrams and |

length/height in any direction ( $\mathrm{m} / \mathrm{cm}$ ); mass ( $\mathrm{kg} / \mathrm{g}$ ); temperature $\left({ }^{\circ} \mathrm{C}\right.$ ); 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 =
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.


## simple 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.


## Year 3

## Number - Number and Place Value

## Pupils should be taught to:

- 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.


## Number - Multiplication and Division

Pupils should be taught to:

- recall and use multiplication and division facts for the 3,4 and 8 multiplication tables
- write and calculate mathematical statements for multiplication and division


## Number - Addition and Subtraction

## Pupils should be taught to:

- 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.


## Number - Fractions

Pupils should be taught to:

- 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
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 positive integer scaling problems and correspondence problems in which $n$ objects are connected to $m$ objects.


## Geometry - Properties of Shapes

Pupils should be taught to:

- draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- recognise angles as 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.
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 [for example, $5 / 7+1 / 7=6 / 7$ ]
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above.


## Statistics

## Pupils should be taught to:

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


## Measurement

## Pupils should be taught to:

- measure, compare, add and subtract: lengths ( $\mathrm{m} / \mathrm{cm} / \mathrm{mm}$ ); mass ( $\mathrm{kg} / \mathrm{g}$ ); volume/capacity ( $\mathrm{l} / \mathrm{ml}$ )
- 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 and hours; use vocabulary such as o'clock, 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]


## Year 4

## Number - Number and Place Value

Pupils should be taught to

- 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.


## Number - Multiplication and Division

Pupils should be taught to:

- recall multiplication and division facts for multiplication tables up to $12 \times 12$
- 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 commutativity 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.


## Number - Addition and Subtraction

## Pupils should be taught to:

- 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.


## Number - Fractions (including decimals)

Pupils should be taught to:

- 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 one 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 $\frac{1}{4}, \frac{1}{2}, 3 / 4$
- 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 ones, 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.


## Geometry - Properties of Shapes

Pupils should be taught to:

- 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.


## Measurement

Pupils should be taught to:

- Convert between different units of measure [for example, 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 - Position and Direction

Pupils should be taught to:

- 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.


## Statistics

Pupils should be taught to:

- 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.


## Year 5

## Number - Number and Place Value

Pupils should be taught to:

- read, write, order and compare numbers to at least 1000000 and determine the value of each digit
- count forwards or backwards in steps of powers of 10 for any given number up to 1000000
- interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero


## Number - Addition and Subtraction

Pupils should be taught to:

- 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
- round any number up to 1000000 to the nearest $10,100,1000,10000$ and 100000
- 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.


## Number - Multiplication and Division

Pupils should be taught to:

- identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
- 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 multiplication and division including using their knowledge of factors and multiples, squares and cubes
- 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.


## Number - Fractions (including decimals and percentages)

## Pupils should be taught to:

- 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 [for example, $2 / 5+4 / 5=6 / 5=11 / 5$ ]
- add and subtract fractions with the same denominator and denominators that are 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 [for example, $0.71=71 / 100$ ]
- 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 100, and as a decimal
- solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}, 1 / 5,2 / 5,4 / 5$ and those fractions with a denominator of a multiple of 10 or 25.


## Geometry - Position and Direction

Pupils should be taught to:

- identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
- draw given angles, and measure them in degrees ( ${ }^{\circ}$ )
- identify:
- angles at a point and one whole turn (total $360^{\circ}$ )
- angles at a point on a straight line and $1 / 2$ a turn (total $180^{\circ}$ )
- other multiples of $90^{\circ}$
- 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.


## Pupils should be taught to

- 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

## Pupils should be taught to:

- solve comparison, sum and difference problems using information presented in a line graph
- complete, read and interpret information in tables, including timetables.


## Measurement

## Pupils should be taught to:

- convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
- understand and use approximate 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 rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes
- estimate volume [for example, using 1 cm 3 blocks to build cuboids (including cubes)] and capacity [for example, using water]
- solve problems involving converting between units of time
- use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.


## Year 6

## Number - Number and Place Value

Pupils should be taught to:

- read, write, order and compare numbers up to 10000000 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


## Number - Addition, Subtraction, Multiplication and Division

## Pupils should be taught to:

- 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

| - solve number and practical problems that involve all of the above. | remainders, fractions, or by rounding, as appropriate for the context <br> - divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context <br> - perform mental calculations, including with mixed operations and large numbers <br> - identify common factors, common multiples and prime numbers <br> - use their knowledge of the order of operations to carry out calculations involving the four operations <br> - solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why <br> - solve problems involving addition, subtraction, multiplication and division <br> - use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. |
| :---: | :---: |
| Number - Fractions (including decimals and percentages) |  |
| Pupils should be taught to: <br> - use common factors to simplify fractions; use common multiples to express fractic <br> - compare and order fractions, including fractions > 1 <br> - add and subtract fractions with different denominators and mixed numbers, using <br> - multiply simple pairs of proper fractions, writing the answer in its simplest form <br> - divide proper fractions by whole numbers [for example, $1 / 3 \div 2=1 / 6$ ] <br> - associate a fraction with division and calculate decimal fraction equivalents [for <br> - identify the value of each digit in numbers given to three decimal places and mu places <br> - multiply one-digit numbers with up to two decimal places by whole numbers <br> - use written division methods in cases where the answer has up to two decimal pla <br> - solve problems which require answers to be rounded to specified degrees of ac <br> - recall and use equivalences between simple fractions, decimals and percentages | ns in the same denomination <br> the concept of equivalent fractions <br> or example, $\frac{1}{4} \times \frac{1}{2}=1 / 8$ ] <br> xample, 0.375] for a simple fraction [for example, 3/8] <br> ly and divide numbers by 10,100 and 1000 giving answers up to three decimal <br> acy <br> luding in different contexts. |
| Ratio and Proportion | Algebra |
| Pupils should be taught to: <br> - solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts <br> - solve problems involving the calculation of percentages [for example, of measures, and such as $15 \%$ of 360 ] and the use of percentages for comparison <br> - solve problems involving similar shapes where the scale factor is known or can be found | Pupils should be taught to: <br> - use simple formulae <br> - generate and describe linear number sequences <br> - express missing number problems algebraically <br> - find pairs of numbers that satisfy an equation with two unknowns <br> - enumerate possibilities of combinations of two variables. |

- solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.


## Geometry - Properties of Shapes

Pupils should be taught to:

- 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.


## Geometry - Position and Direction

Pupils should be taught to:

- 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.


## Statistics

Pupils should be taught to:

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


## Measurement

## Pupils should be taught to:

- 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 cubic centimetres ( $\mathrm{cm}^{3}$ ) and cubic metres ( $\mathrm{m}^{3}$ ), and extending to other units [for example, $\mathrm{mm}^{3}$ and $\mathrm{km}^{3}$ ].

