







Number- Place Value

-  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
-  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

Addition & subtraction

 Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

 Add and subtract numbers mentally




 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




Number

Multiplication & 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 positive integer scaling problems and correspondence problems in which n objects are connected to m objects.





Number: 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 [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.










Number: Fractions

-  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





Measurement

-  Measure, compare, add and subtract: lengths; mass; volume/capacity
-  Measure the perimeter of simple 2-D shapes
-  Add and subtract amounts of money to give change, using both £ and pence 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
-  Know the number of seconds in a minute and the number of days in each month, year and leap year
-  Compare durations of events

Geometry



Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D 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.



Statistics



Interpret and present data using bar charts, pictograms and tables



Solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables.

