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| ***Maths overview 20222023*** | | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Rec | **Main focus** | Comparing everyday objects using mathematical language.    Counting principles. | | Developing number sense for numbers 1 -10. | | Mentally recall all addition and subtraction facts within 6. | |
| **Concepts** | Comparison language- Bigger, smaller, longer, shorter, more, less, fewer, equal, narrower, wider, heavy, light, tall.    Counting principles- Stable-order, 1:1 correspondence, cardinality, order irrelevance, abstract principle. | | Subitising - Comparing – Ordering Understanding linear representations - 1 more, 1 less - Writing numerals. | | Introduce commutative law for addition and subtraction. | |
|  | **Ongoing** | Rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. | | | | | |
| Year  1 | **Objectives** | ***Recap key Rec objectives until mastery***  Number: Place value within 10, addition and subtraction within 10, positions,  place value within 20, addition and subtraction within 20 | | Shapes and patterns, length and height, numbers to 40, numbers to 100, multiplication, division. | | Fractions, time, money, volume and capacity, mass, space | |
| **Fluency** | Counting to and across 100.    ***Recap addition and subtraction facts from 1-6***    ***Learn all addition and subtraction facts from 7-9*** | ***Learn all number bonds to 10***    ***Adding numbers to 10*** | ***Calculation facts from 11-18 (addition and subtraction facts taught together)***  ***Adding 1 and adding 2 to numbers 11-18***  ***Doubles 6-9***  ***Near doubles 5-9 (double then add 1).***  ***Near doubles 5-9 (double-then-add-2). Bridging through 10 to add to 9.***  ***Bridging through 10 to add to 8***  ***Subtracting 1-digit numbers from numbers 5-18.***  ***Adding any two 1-digit numbers and subtracting using the inverse of this*** | | Fractions  Measures  Geometry- position and direction  Geometry- properties of shape | |
| **Counting in 2s** | |
| **Counting in 10s** | | **Counting in 5s** | |
| Year 2 | **Objectives** | ***Recap key yr 1 objectives until mastery***  Numbers to 100, addition and subtraction, multiplication and division | | Length, mass, temperature, picture graphs, money | | 2d shape, 3d shape, fractions, time, volume | |
| **Fluency** | **2x** | **5x** | **5x, 10x** | **2x, 5x, 10x** | **3x** | **4x** |
| Consolidate fluency facts within 20 (throughout year) | | | | | |
| Year 3 | **Objectives** | ***Recap key yr 2 objectives until mastery***  Numbers to 1000  Addition and subtraction  Multiplication and division | | Length Mass  Volume | Money  Time Picture graphs and bar graphs | Fractions | Angles  Lines and shapes  Perimeter of figures |
| **Fluency** | **2x, 4x** | **4x, 8x** | **2x, 4x, 8x** | **3x, 6x** | **3x, 6x, 9x** | **11x 12x** |
|  | Sums and differences of multiples of 10 e.g. 50 + 80, 120 – 90 Addition doubles for multiples of 10 to 100 e.g. 90 + 90 | | Pairs of two-digit numbers with a total of 100 e.g. 32 + 68 or 32 + … = 100    Addition doubles of numbers 1 to 100, e.g. 38 + 38, and the corresponding halves | | | |
| Year 4 | **Objectives** | ***Recap key yr 3 objectives until mastery***  Numbers to 10,000  Addition and subtraction within 10,000  Multiplication and division Graphs | | Fractions | Time Decimals | Money  Mass, volume and length | Area  Geometry  Position and movement  Roman numerals |
|  | **Fluency** | **2x, 4x, 8x** | **3x, 6x, 12x** | **7x, 9x** | **Gaps (AFL)** | **Revision of all** | **Revision MTC** |
|  |  | Sums and differences of pairs of multiples of 10, 100 or 1000 | | Pairs of two-digit numbers with totals less than/bigger than 100 | | What must be added to any thr multiple of 100, | ee-digit number to make the next e.g. 521 + = 600 |
| Year 5 | **Objectives** | ***Recap key yr 4 objectives until mastery*** Numbers to 1,000,000  Whole numbers- addition and subtraction  Multiplication and division  Word problems Graphs | | Fractions | Decimals Percentages | Geometry  Position and movement  Measurements | Area and perimeter  Volume  Roman numerals |
| **Fluency** | **4x, 8x** | **3x, 6x, 12x** | **7x, 9x, 11x** | **25x** | **15x** | **Revision of all** |
|  | Sums and differences of decimals, e.g. 6.5 + 2.7, 7.8 – 1.3 | | Doubles and halves of decimals, e.g. half of 5.6, double 3.4 | | What must be added to any fo multipl | ur-digit number to make the next e of 1000, |
|  |  |  | |  | | e.g. 408 | + = 5000  7 |
| Year 6 | **Objectives** | ***Recap key yr 5 objectives until mastery***  Numbers to 10 million  Four operations  Fractions  Decimals  Percentages | | Measurements  Ratio  Algebra | Area and perimeter  Volume  Geometry | SATs revision | Position and movement  Graphs and averages  Negative numbers |
| **Fluency** | **2, 4x, 8x** | **3x, 6x, 9x, 12x** | **7x, 15x, 25x** | **Finding 10%, 25% and 50% of numbers** | **Basic FDPs equivalence** | **Revision of all** |
|  | Addition and subtraction facts for multiples of 10 to 1000 and decimal numbers with one decimal place, e.g. 650 + • = 930, • – 1.4 = 2.5 | | | What must be added to a decimal with units, tenths and hundredths to make the next whole number, e.g. 7.26 + • = 8 | | |