| Progression in Mathematical Skills | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| Counting and Ordering | \*Count reliably to 20. | \*Count to and across 100, forwards and backwards from any numbers. |   |   | \*Count backwards through zero to include negative numbers. | \*Count forwards and backwards with positive and negative numbers through zero.\*Count forwards / backwards in steps of powers of 10 for any given number up to 1,000,000. | \*Use negative numbers in context and calculate intervals across zero. |
| \*Order numbers from 1 to 20. |   | \*Compare and order numbers up to 100 and use >, < and =. | \*Compare and order numbers up to 1000. | \*Compare and order numbers beyond 1000.\*Compare and order numbers with up to 2dps.\*Read Roman Numerals to 100. | \*Compare and order numbers up to 1,000,000.\*Compare and order numbers with 3dps.\*Read Roman Numerals to 1000. | \*Compare and order numbers up to 10,000,000. |
| Numbers and More/Less | \*Say 1 more / 1 less to 20. | \*Read and write numbers to 20 in words and numerals.\*Read and write numbers to 100 in numerals.\*Say 1 more / 1 less to 100. | \*Read and write all numbers to 100 in digits and words.\*Say 10 more / 10 less than any number to 100. | \*Read and write all numbers to 1000 in digits and words.\*Find 10 or 100 more / less than any given number. | \*Find 1000 more / less than any given number. |   |   |
| Tables and Multiples |   | \*Count in multiples of 1, 2, 5 and 10. | \*Count in steps of 2, 3 and 5 from any given number up to 100 and in 10s from any number (forwards / backwards).\*Recall and use multiplication / division facts for 2s, 5s and 10s. | \*Count from 0 in multiples of 4, 8, 50 and 100.\*Recall and use multiplication / division facts for 3s, 4s and 8s. | \*Count in multiples of 6, 7, 9, 25 and 1000.\*Recall and use multiplication / division facts for all tables up to 12s. | \*Identify all multiples and factors, including finding all factor pairs. | \*Identify common factors, common multiples and prime numbers. |
| Bonds and Facts |   | \*Use bonds and subtraction facts to 20. | \*Recall and use +/- facts to 20.\*Derive and use related facts to 100. |   |   | \*Recall prime numbers up to 19.\*Recognise and use square numbers and cube numbers. |   |
| Place Value and Rounding |   |   | \*Recognise the PV of any 2 digit number. | \*Recognise the PV of any 3 digit number. | \*Recognise the PV of any 4 digit number.\*Round any number to the nearest 10, 100 or 1000.\*Round decimals with 1dp to nearest whole number. | \*Recognise the PV of any number up to 1,000,000.\*Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000.\*Round decimals with 2dps to nearest whole number and to 1dp. | \*Round any whole number to a required degree of accuracy.\*Identify the value of each digit to 3dps. |
| Calculations +/- | \*Add and subtract two single-digit numbers.\*Count on/back to find the answer. | Add and subtract:\*1-digit and 2-digit numbers to 20, including zero. | Add and subtract:\*2-digit numbers and ones.\*2-digit numbers and tens.\*Two 2-digit numbers.\*Three 1-digit numbers. | Add and subtract:\*3-digit numbers and ones.\*3-digit numbers and tens.\*3-digit numbers and hundreds.\*Numbers with up to 3 digits, using written columnar method. \*Estimate and use the inverse to check. | Add and subtract:\*Numbers with up to 4 digits using written columnar method.\*Numbers with up to 1dp. \*Estimate and use the inverse to check. | Add and subtract:\*Numbers with more than 4 digits using formal written method.\*Numbers with up to 2dps. \*Use rounding to check answers. | \*Use knowledge of order of operations (BIDMAS) to carry out calculations involving 4 operations. \*Use estimation to check answers. |
| Calculations x/÷ |   | \*Solve one-step multiplication and division using objects, pictorial representations and arrays, | \*Calculate and write multiplication and division calculations using multiplication tables.\*Write and recognise and use the inverse. | Multiply:\*2-digit by 1-digit. | Multiply:\*2-digit by 1-digit.\*3-digit by 1-digit. | Multiply:\*4-digit by 1-digit. Divide:\*Up to 4-digits by 1-digit. Multiply and Divide:\*Whole numbers and decimals by 10, 100 and 1000. | Multiply and Divide:\*4-digit by 2-digit. |
| Fractions and Percentages |   | \*Recognise half and quarter of object, shape or quantity. | \*Recognise, find, name and write: 1/3, ¼, 2/4, ¾.\*Recognise equivalent of simple fractions. | \*Count up/down in tenths.\*Compare and order fractions with same denominator.\*Add and subtract fractions with same denominator (within one whole). | \*Count up/down in hundredths.\*Recognise and write equivalent fractions.\*Add and subtract fractions with same denominator. | \*Recognise and use thousandths.\*Recognise mixed numbers and improper fractions and convert from one to the other.\*Multiply proper fractions and mixed numbers by whole numbers.\*Identify and write equivalent fractions. | \*Add and subtract fractions with different denominators and mixed numbers.\*Multiply simple pairs of proper fractions, writing the answer in its simplest form.\*Divide proper fractions by whole numbers.\*Calculate % of whole numbers. |
| Time |   | \*Sequence events in chronological order.\*Use language of day, week, month and year.\*Tell the time to hour and half past. | \*Tell the time to 5 minutes, including quarter past and quarter to. | \*Tell the time using 12 and 24 hour clocks; using Roman Numerals.\*Tell the time to the nearest minute.\*Know the number of days in each month and the number of seconds in a minute. | \*Read, write and convert time between analogue and digital 12 and 24 hour clocks. | \*Solve time problems using timetables and converting between different units of time. |   |