Maths Basic Skills

Nursery

Numbers and Place Value	Shape, Space and Measure
• Recite numbers to 10 in order	• Uses positional language (on top, under, behind, in front)
• Count up to 10 objects	• Talk about the shape of everyday objects
• Compare 2 groups of objects and say when they have the same number	• Order 3 items by length
• Select the correct numeral to represent 1-5 objects	• Order 3 items by height
• Select the correct numeral to represent 1-10 objects	• Use everyday objects or shapes to recreate or create a pattern.
• Compare 2 groups of objects and say which has more	• Select a named 2D shape (square, circle, rectangle, triangle)
• Compare 2 groups of objects and say which has fewer	• Describe their relative position
• Says the number that is 1 more than a given number	• Use everyday language related to time.
• Find the total number of objects in 2 groups by counting them all (up to 10)	

Maths Basic Skills

Reception

Number and Place Value

- Recite numbers from 1 to 20.
- Place numbers 1 to 20 in order.
- Say which is 1 more than a number (within 20)
- Say which is 1 less than a number (within 20)
- Count objects up to 20.
- Select the correct numeral to match a quantity (1-20)
- Use objects to add 2 single digit numbers – Count all to find total
- Use objects to add 2 single digit numbers – Count on to find total
- Use objects to subtract 2 single digit numbers
- Use a number line to subtract 2 single digit numbers by counting back
- Use apparatus to double 1,2,3,4,5.
- Use apparatus to halve 2,4,6,8,10.
- Use apparatus to share equally (amounts within 20)

Shape, Space and Measure

- Compare & order objects by length – say which is longer/shorter
- Compare & order objects by height – say which is taller/shorter
- Compare & order objects by weight – say which is heavier/lighter
- Compare quantities – say which has more
- Compare quantities – say which has less (if it's an amount) or fewer (if it's objects)
- Use positional language – behind, in front, next to, under, between, on top.
- Use everyday language of distance
- Use everyday language of time
- Use everyday language of money
- Recognise patterns
- Describe patterns
- Create patterns
- Name 2D shapes (square, circle, rectangle, triangle)
- Describe 2D shapes using mathematical language (side, corner, straight, curved)
- Name 3D shapes (cube, sphere, cone, pyramid)
- Explore everyday objects and use mathematical language to describe them.

Maths Basic Skills

Year 1

Number and Place Value	Addition and Subtraction

Number and Place Value
- Identify numbers on 100 squares, number lines & other visual representations.
- Represent numbers using objects (deinnes, cubes, sorting objects etc)
- Use the vocabulary of equal to, more than, less than, fewer than, most, least.
- Read & write numbers up to 100 in numerals.
- Write numbers 1 to 20 in words.
- Count on in 1s from 0 to 100
- Count back in 1s from 0 to 100
- Say a number 1 more and 1 less from any given number with 100.
- Count in 2s up to 100
- Count in 5s up to 100
- Count in 10s up to 100
- Use ordinal numbers (first, second, third) up to 20th.
- Recognise odd and even numbers up to 100.

Addition and Subtraction
- Add 3 1-digit numbers
- Recall number bonds to 20 … addition.
- Recall number bonds to 20 … subtraction.
- Multiplication and division
- Recognise and write the multiplication symbol (x)
- Recognise and write the division symbol (÷)
- Fractions
- Find ½ of a shape
- Find ¼ of a shape
- Find ¾ of a shape
- Find ½ of a quantity
- Find ¼ of a quantity
- Find ¾ of a quantity

Maths Basic Skills

Year 2

Number and Place Value
- Read & write numbers up to 100 in numerals.
- Write numbers 1 to 100 in words.
- Count in 2s,5s and 10s up to 100
- Count in 3s up to 100
- Count in 10s from any given number within 100.
- Say 10 more or 10 less than a given number within 100.
- Recognise the value of each digit in a two digit number.
- Order numbers up to 100.
- Use <, >and = signs to compare numbers up to 100.

Multiplication and Division
- Recall multiplication facts for the 2 multiplication table.
- Recall multiplication facts for the 5 multiplication table.
- Recall multiplication facts for the 10 multiplication table.
- Recall division facts for the 2 multiplication table.
- Recall division facts for the 5 multiplication table.
- Recall division facts for the 10 multiplication table.

Addition and Subtraction
- Rapidly recall addition facts to 20.
- Rapidly recall subtraction facts to 20.
- Mentally add 1 digit and 2 digit number.
- Mentally add a 2 digit number and tens.
- Mentally add two 2 digit numbers.

Fractions
- Recognise and name ½ , ¼ , ¾
- Recognise and name 1/3 and 2/3
- Write ½ , ¼ , ¾
- Write 1/3 and 2/3
- Counts in halves to ten (½, 1, 1½, 2, 2½)
- Count in quarters to ten (¼ , ½ , ¾ , 1)

Maths Basic Skills

Year 3

Number and Place Value
- Read & write numbers up to 1000 in numerals.
- Write numbers 1 to 1000 in words.
- Order numbers up to 1000.
- Compare numbers using <, > and = up to 1000.
- Recognise the value of each number in a 3 digit number.
- Count in 2s, 3s, 5s and 10s up to 100
- Count in 4s up to 100
- Count in 8s up to 100
- Count in 100s up to 1000
- Count in 50s up to 1000
- Say 10 more and 10 less than any given number within 1000.
- Say 100 more and 100 less than any given number within 1000.

Addition & Subtraction
- Mentally add a 1 digit and 2 digit number.
- Mentally add two 2 digit numbers.
- Mentally add a 1 digit and 3 digit number.
- Mentally add a 3 digit number and tens.
- Mentally add a 3 digit number and hundreds.
- Multiplication & Division
- Recall the multiplication facts for 2,3,5 and 10 multiplication tables.
- Recall the division facts for 2,3,5 and 10 multiplication tables.
- Recall the multiplication facts for the 4 multiplication table.
- Recall the division facts for the 4 multiplication table.
- Recall the multiplication facts for the 8 multiplication table.
- Recall the division facts for the 8 multiplication table.

Fractions
- Recognise & name unit fractions up to 1/12 (1/3, 1/5, 1/7 etc)
- Write unit fractions up to 1/12 (1/3, 1/5, 1/7 etc)
- Compare unit fractions using < and >
- Order unit fractions.
- Recognise fractions equivalent to 1 (e.g 3/3, 6/6, 9/9 etc)
- Recognise pairs of fractions that add up to 1 (e.g. 2/7 + 5/7 = 1)
- Count up and down in tenths from 0 to 1 (1/10, 2/10, 3/10 etc)

Maths Basic Skills

Year 4

Number and Place Value
- Read & write numbers up to 10,000 in numerals.
- Write numbers 1 to 10,000 in words.
- Read and write negative numbers.
- Count forwards and backwards with positive & negative numbers through 0.
- Order numbers up to 10,000.
- Compare numbers using <, > and = up to 10,000.
- Recognise the value of each number in a 4 digit number.
- Count in 2s, 3s, 4s, 5s, 8s and 10s up to 100.
- Count in 6s up to 100
- Count in 7s up to 100
- Count in 9s up to 100
- Count in 50s, 100s and 1000s up to 10,000
- Say 10 or 100 more or less than any given number.
- Read Roman numerals up to 100.

Multiplication & Division
- Recall the multiplication facts for 2,3,4,5,8 and 10 multiplication tables.
- Recall the division facts for 2,3,4,5,8 and 10 multiplication tables.
- Recall the multiplication facts for the 6 multiplication table.
- Recall the division facts for the 6 multiplication table.
- Recall the multiplication facts for the 7 multiplication table.
- Recall the division facts for the 7 multiplication table.
- Recall the multiplication facts for the 9 multiplication table.
- Recall the division facts for the 9 multiplication table.
- Recall the multiplication facts for the 11 multiplication table.
- Recall the division facts for the 11 multiplication table.
- Recall the multiplication facts for the 12 multiplication table.
- Recall the division facts for the 12 multiplication table.

Addition & Subtraction
- Mentally add a 1 digit and 2 digit number.
- Mentally add two 2 digit numbers.
- Mentally add a 1 digit and 3 digit number.
- Mentally add a 3 digit number and tens.
- Mentally add a 3 digit number and hundreds.
- Mentally subtract a 2 digit and 1 digit number.
  Mentally subtract a two 2 digit number.

Fractions
- Write the equivalent of fraction with a given denominator and/or numerator. (e.g. 3/6 = ?/12)
- Reduce fractions to their simplest form. (e.g 3/6 = ½)
- Decimals
- Compare numbers with the same number of decimal places up to 2 decimal places.
- Recognise and write decimal equivalents to ¼, ½ and ¾ .
- Recognise and write decimal equivalents to any number of tenths and hundredths.

Maths Basic Skills

Year 5

Number and Place Value

- Read & write numbers up to 1,000,000 in numerals.
- Write numbers 1 to 1,000,000 in words.
- Order numbers up to 1,000,000.
- Compare numbers using <, > and = up to 1,000,000.
- Count forwards or backwards in steps of 100 for any given number up to 1,000,000.
- Count forwards or backwards in steps of 1000 for any given number up to 1,000,000.
- Count forwards or backwards in steps of 10,000 for any given number up to 1,000,000.
- Round any number up to 1,000,000 to the nearest 10.
- Round any number up to 1,000,000 to the nearest 100.
- Round any number up to 1,000,000 to the nearest 1000.
- Round any number up to 1,000,000 to the nearest 10,000
- Round any number up to 1,000,000 to the nearest 100,000.

Addition and Subtraction

- Mentally add numbers with increasingly large numbers (e.g 1124+234=?)
- Mentally subtract numbers with increasingly large numbers (e.g 327-93=?)
- Multiplication and Division Recall the multiplication facts for 2,3,4,5,6,7,8,9,10, 11 and 12 multiplication tables. Recall the division facts for 2,3,4,5,6,7,8,9,10, 11 and 12 multiplication tables.
- Recall prime numbers up to 19.
- Mentally multiply numbers drawing upon known facts (e.g 7 x 3=21, 70x3=210, 70x30=2100, 7x 0.3=2.1)
- Mentally divide numbers drawing upon know facts (e.g 21÷3=21, 210÷70=3, 2100÷70=30, 2.1÷7 =0.3)

Fractions

- Compare and order fractions.
- Recognise mixed numbers and improper fractions and convert from one form to the other.

Decimals

- Read and write decimal numbers as fractions. (e.g 0.71=71/100)
- Read and write numbers with up to 3 decimal places.
- Order and compare numbers with up to 3 decimal places.

Percentage

- Write simple fractions as percentages and decimals as percentages (e.g ½ = 50% = 0.5)

Maths Basic Skills

Year 6

Number and Place Value
- Read and write numbers up to 10 million.
- Order and compare numbers up to 10 million.
- Round any number to a required degree of accuracy.
- Recognise binary numbers to 15.
- Convert between binary numbers and decimal numbers.

Addition, Subtraction, Multiplication and Division
- Add and subtract negative integers.
- Mentally calculate using large numbers.
- Mentally calculate using mixed operations. Recall the multiplication facts for 2,3,4,5,6,7,8,9,10, 11 and 12 multiplication tables. Recall the division facts for 2,3,4,5,6,7,8,9,10, 11 and 12 multiplication tables. Recall prime numbers up to 19.

Fractions
- Add number and fractions with different denominators.
- Subtract numbers with different denominators.
- Associate a fraction with division to calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g 3/8)

Decimals
- Identify the value of each digit to 3 decimal places.
- Multiply numbers up to 3 decimal places by 10.
- Multiply numbers up to 3 decimal places by 100.
- Multiply numbers up to 3 decimal places by 1000.
- Divide numbers up to 3 decimal places by 10.
- Divide numbers up to 3 decimal places by 100.
- Divide numbers up to 3 decimal places by 1000.
- Recall and use equivalences between fractions, decimals and percentages.

Ratio and Proportion
- Recognise ratio and reduce a given ratio to its lowest terms.

Algebra
- Use simple formulae expressed in words.