

Count to and across 100 from any number.

Count, read and write numbers to 100 in numerals.

Read and write mathematical symbols +, - and =.

Identify one more and one less.

Use number bonds and subtraction facts within 20.

Add and subtract 1 digit and 2 digit numbers to 20 including zero.

Recognise, find and name a half.

Recognise, find and name a quarter.

Measure and begin to record mass, length, volume and time.

Recognise and record the value of all coins and notes.

Use language to sequence events in chronological order.

Recognise and use language relating to dates.

Tell the time to the nearest half hour including drawing clocks.

Recognise and name common 2D shapes.

Recognise and name common 3D shapes.

**Maths Key Objectives Check list – Year 2**

Name: \_\_\_\_\_

- Count in steps of 2s, 3s, 5s and 10s.
- Recognise place value in 2 digit numbers.
- Compare and order numbers less than 100 using <, > and =.
- Recall and use addition and subtraction facts to 20 and derive related facts.
- Add and subtract 1 and 2 digit numbers mentally and with objects.
- Understand the inverse relationship between addition and subtraction.
- Know 2, 3 and 5 x table including recognising odd and even numbers.
- Calculate mathematical questions using the and x and ÷.
- Recognise, find, name and write  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and  $\frac{1}{3}$  of shape, size and quantity.
- Tell the time to the nearest half hour including drawing clocks.
- Combine amounts of money to make different values using the £ and p symbol.
- Tell time to the nearest 5 minutes including drawing clocks.
- Describe properties of 2D shapes including number of sides and symmetry.
- Describe properties of 3D shapes including numbers of edges, faces and vertices.
- Interpret and construct simple tables, tally charts and pictograms.

**Maths Key Objectives Check list – Year 3**

Name: \_\_\_\_\_

Count in multiples of 4, 8, 50 and 100.

Compare and order numbers up to 1000.

Compare and order numbers less than 100 using  $<$ ,  $>$  and  $=$ .

Add and subtract numbers mentally including round numbers up to HTU.

Add and subtract using standard column method.

Estimate answers to questions and use the inverse to check.

Know 3, 4 and 8 x tables.

Count up and back in tenths.

Understand that tenths are objectives or quantities split into 10 equal parts..

Compare and order simple fractions..

Recognise and show equivalent fractions.

Find and write fractions of a set of objects.

Add and subtract fractions with common denominators less than 1.

Measure, compare and calculate using standard units.

Find and measure perimeters of simple 2D shapes..

Add and subtract money including finding change.

Tell and write the time from an analogue clock including using Roman numerals.

Estimate and read time to the nearest minute.

Identify horizontal, vertical, parallel and perpendicular lines.

Identify whether angles are greater or less than a right angle.

Interpret and present data using bar charts, tables and pictograms.

**Maths Key Objectives Check list – Year 4**

Name: \_\_\_\_\_

Count backwards through zero including negative numbers.

Recognise place value in 4 digit numbers.

Round any number to the nearest 10, 100 or 1000.

Know tables facts up to 12 x 12.

Use place value and number facts to carry out mental calculations.

Use factor pairs and cummutativity in mental calculations.

Use the short multiplication method.

Recognise and use hundredths.

Recognise and write decimal equivalentents to  $\frac{1}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ .

Divide 1 or 2 digit numbers by 10 and 100 using tenths and hundredths.

Round decimals with one decimal place to the nearest whole number.

Compare numbers up to 2 decimal places.

Convert between different units of metric measurement including money.

Find the area of rectilinear shapes by counting squares.

Solve problems converting units of time.

Compare and classify shapes including quadrilaterals and triangles.

Complete a specific geometric figure using specific lines of symmetry.

Describe positions on a 2D grid using co-ordinates.

Describe translations with a given unit using left / right / up or down.

Interpret and present discreet and continuous data using appropriate graphs.

**Maths Key Objectives Check list – Year 5**

Name: \_\_\_\_\_

Interpret negative numbers in context.

Read Roman numerals to 1000 including years.

Recognise and use square and cubed numbers and know the notation.

Use rounding to check answers and determine accuracy.

Identify multiples and factors including finding factor pairs and common factors.

Use vocabulary prime numbers, prime factors and composite numbers.

Divide and multiply numbers by 10, 100 and 1000 including decimals.

Know prime numbers up to 19.

Recognise and write decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ .

Use long multiplication to multiply numbers up to 4 digits by 2 digits.

Divide numbers using standard, written short division.

Convert between mixed numbers and improper fractions.

Compare and order fractions whose denominators are multiples of the same number.

Multiply fractions and mixed numbers by whole numbers with support.

Read and write decimal numbers as fractions.

Round numbers with 2 decimal places to whole numbers or numbers with one decimal place.

Read, write, order and compare numbers with up to 3 decimal places.

Recognise % as a symbol and express it as a fraction with the denominator 100.

Understand and use common approximate conversions between metric and imperial.

Measure and calculate the perimeter of composite rectilinear shapes.

Calculate the area of rectangles and estimate the area of irregular shapes.

Use the properties of rectangles to find missing lengths and angles.

Distinguish between regular and irregular shapes.

Identify 3D shapes from 2D representations.

Know angles are measured in degrees and compare acute, obtuse and reflex angles.

Draw and measure angles to the nearest degree.

Identify angles at a point, at a turn and on a straight line.

Describe and represent the result of a reflection or a translation.

Complete, read and interpret information in tables including timetables.

**Maths Key Objectives Check list – Year 6**

Name: \_\_\_\_\_

- |   |                          |  |                          |
|---|--------------------------|--|--------------------------|
| Interpret negative numbers to calculate numbers across zero.              | <input type="checkbox"/> | Illustrate and name parts of a circle.                                 | <input type="checkbox"/> |
| Use long division interpreting the remainder as appropriate.              | <input type="checkbox"/> | Find missing angles in triangles, quadrilaterals and regular polygons. | <input type="checkbox"/> |
| Use order of operations to carry out calculations.                        | <input type="checkbox"/> | Recognise vertically opposite angles and find missing angles.          | <input type="checkbox"/> |
| Use common factors to simplify fractions.                                 | <input type="checkbox"/> | Describe positions on the full co-ordinate grid.                       | <input type="checkbox"/> |
| Compare and order fractions of any size.                                  | <input type="checkbox"/> | Translate shapes in the co-ordinate grid and reflect in the axis.      | <input type="checkbox"/> |
| Add and subtract fractions with different denominators and mixed numbers. | <input type="checkbox"/> | Construct and interpret pie charts.                                    | <input type="checkbox"/> |
| Multiply simple pairs of mixed fractions.                                 | <input type="checkbox"/> | Calculate the mean as an average.                                      | <input type="checkbox"/> |
| Divide proper fractions by whole numbers.                                 | <input type="checkbox"/> |  |                          |
| Use written division with answers up to 2 decimal places.                 | <input type="checkbox"/> |  |                          |
| Calculate decimal fraction equivalents for simple fractions.              | <input type="checkbox"/> |  |                          |
| Solve shape problems with similar shapes where the scale factor is known. | <input type="checkbox"/> |  |                          |
| Use simple formulae.  | <input type="checkbox"/> |  |                          |
| Generate and describe linear number sequences.                            | <input type="checkbox"/> |  |                          |
| Express missing number problems algebraically.                            | <input type="checkbox"/> |  |                          |
| Convert units of measure between smaller and larger units.                | <input type="checkbox"/> |  |                          |
| Convert between miles and kilometres.                                     | <input type="checkbox"/> |  |                          |
| Calculate the area of parallelograms and triangles.                       | <input type="checkbox"/> |  |                          |
| Calculate and compare volume of cubes and cuboids.                        | <input type="checkbox"/> |  |                          |