

	KEY MATHS CHECKPOINTS BY END OF YEAR
	National Curriculum & EYFS Framework/ELGs
EYFS	• Write numbers 1-10. • Verbally count beyond 20. • Know if a number is "more" or "less" than another. • Link number symbol with its value. • Number bonds to 5. • Identify basic shapes. • Compare weight, length and capacity using "more" or "less".
Y1	• Count to 100 forwards from any given number. • Count, read and write number to 100 in numerals. • Given a number up to 100, identify one more or less. • Read, write and interpret statements involving +, - and = symbols. • Recognise, find and name a half as one of two equal parts of an object, shape or quantity. • Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. • Recognise and use language relating to dates, including days of the week, weeks, months and years.

Y2	• Count in steps of 2, 3, and 5 from 0. • Recognise the place value of each digit in a two-digit number (tens, ones). • Solve addition and subtraction problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures (using Base 10) • Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. • Use the multiplication ($\times$), division ($\div$) and equals ($=$) signs. • Use arrays and repeated addition. • Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$ of a length, shape, set of objects or quantity.
Y3	• Find 10 or 100 more or less than a given number. • Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). • Compare and order numbers up to 1000. • Read and write numbers up to 1000 in numerals. • Add and subtract numbers with up to two digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems. • Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • Recognise that tenths arise from dividing an object into 10 equal parts. • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

Y4

- Count backwards through zero to include negative numbers.
- Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
- Order and compare numbers beyond 1000.
- Round any number to the nearest 10 or 100.
- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
- Recall multiplication and division facts for multiplication tables up to 12×12 .
- Multiplying by 0 and 1. Dividing by 1.
- Recognise factor pairs.
- Multiply two-digit numbers by a one-digit number using formal written layout.
- Recognise and show, using diagrams, families of common equivalent fractions.
- Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- Solve problems involving fractions to calculate quantities.
- Recognise and write decimal equivalents of any number of tenths or hundredths.
- Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.
- Find the effect of dividing a one- or two-digit number by 10 and 100.
- Round decimals with one decimal place to the nearest whole number.
- Compare numbers with the same number of decimal places up to two decimal places.

Y5

- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
- Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- Recall prime numbers up to 19.
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.
- Compare and order fractions whose denominators are all multiples of the same number.
- Recognise mixed numbers and improper fractions and convert from one form to the other.
- Add and subtract fractions with the same denominator.
- Read and write decimal numbers as fractions [for example, $0.71 = 71/100$].
- Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'.