

Year 4 Non-Negotiables 2023-2024

Mathematics guidance: year 4 (publishing.service.gov.uk)

	Objective
Autumn	- Count backwards through zero to include negative numbers - Order and compare numbers beyond 1000 - Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100. - Recognise the place value of each digit in four-digit numbers and compose and decompose four-digit numbers using standard and non-standard partitioning. - Round any number to the nearest 10 or 100 - Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. - Add and subtract numbers with up to 4 digits using mental methods - Recognise families of common equivalent fractions - Compare and order numbers up to 1000 - Compare and order unit fractions
Spring	- Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100), for example: $8+6 = 14$ so $800+600 = 1400$ and $3 \times 4 = 12$ and $30 \times 4 = 120$ so $120 \div 4 = 30$ - Find 1000 more or less than a given number - compare numbers with the same number of decimal places up to two decimal places - round any number to the nearest 10, 100 or 1 000 - count up and down in hundredths - round decimals with one decimal place to the nearest whole number - multiply two-digit and three-digit numbers by a one-digit number using formal written layout - Column addition (3-digit and 2-digit; 3-digit and 3-digit) - Multiplication using formal written methods - Find 100 more or less than a given number
Summer	- Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts. - Recall multiplication and division facts up to 12×12 and recognise products in multiplication tables as multiples of the corresponding number. - Manipulate multiplication and division equations and understand and apply the commutative property of multiplication. - Reason about the location of mixed numbers in the linear number system - Convert mixed numbers to improper fractions and vice versa - Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers - Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal, and the angles are equal. Find the perimeter of regular and irregular polygons. - Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.

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