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| **Maths Home Learning** | | | |
| **Year 5 Overview** | | | |
| **Topic** | **Learning Objectives:** | **Suggested Activities** | **Further Learning Links** |
| Week 1  Place value and number | * Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit * Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 * Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero * Round any number up to   1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 |  |  |
| Week 2  Calculation | * Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) * Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers * Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers * 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 |  |  |
| Week 3  Fractions and decimals | * Compare and order fractions whose denominators are all multiples of the same number * Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths * Read, write, order and compare numbers with up to three decimal places |  |  |
| Week 4  Measure | * Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) * Solve problems involving converting between units of time * Use all four operations to solve problems involving measure [for example, length, mass, volume, money] |  |  |
| Week 5  Shape | * Identify 3-D shapes, including cubes and other cuboids, from 2-D representations * Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles |  |  |