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| **Maths Home Learning** |
| **Year 5 Overview** |
| **Topic** | **Learning Objectives:** | **Suggested Activities** | **Further Learning Links** |
| Week 1Place 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 2Calculation | * 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
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| Week 3Fractions 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
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| Week 4Measure | * 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]
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| Week 5Shape | * 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
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