# Year 5 Maths long term plan 2023-2024 

## Autumn 1 Autumn 2

Teach through
maths meetings in
Multiplication and Division
$X$ and $\div$ mentally drawing on known facts
autumn term
recall multiplication and division facts for multiplication tables up to $12 \times 12$ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1;
dividing by 1; multiplying tagether 3 numbers

| Autumn | Number: Place value <br> a read, write, oxder and compare numbers to at least 1000000 and determine the value of each digit a count forwards or backwards in steps of powers of 10 for any given number up to 1000000 <br> a interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero a round any number up to 1000000 to the nearest $10,100,1000,10000$ and 100000 <br> a solve number problems and practical problems that involve all of the above a read Roman numerals to 1000 (M) and recognise years written in Roman numerals. |
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## Addition and Subtraction Inc decimals

Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy solve addition and subtraction multi-step problems in contexts, deciding which operations and

## Multiplication and Division:

 Measurea identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
a know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers a establish whether a number up to 100 is prime and recall prime numbers up to 19
a multiply and divide numbers mentally drawing upon known facts
a multiply and divide whole numbers and those involving decimals by 10,100 and 1000 recagnise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
a solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes
a solve problems involving addition, subtraction,
multiplication and division and a combination of these, including understanding the meaning of the equals sign

## Multiplication and Division (I)

Multiply and divide whole numbers and those involving decimals by 10 , 100 and 1000
Multiply and divide whale numbers and those involving decimals by 10 , 100 and 1000
Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints




