

**Year 5 basic skills**

Count forward and backwards in steps of powers of 10 for any given number up to 1,000,000

Read and write numbers up to 1,000,000 and determine the place value of each digit

Recognise the place value in large whole numbers to at least 1,000, 000

Compare and order numbers to at least 1,000, 000

Partition numbers into place value columns

Partition numbers in different ways

Round any number up to 1, 000, 000 to the nearest 10, 100, 1000, 10, 000 and 100, 000

Use rounding to support estimation and calculation

Use knowledge of place value to derive new addition and subtraction facts

Identify multiples and common factors of two more numbers

Find factor pairs of a two-digit number

Understand the terms of multiple, factor, and prime, square and cube numbers and use them to construct equivalent statements

Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers

Establish whether a number up to 100 is prime and recall prime numbers up to 19

Can find the prime factors of a given number

Read and recognise Roman numerals up to 1000

Recognise and use square and cube numbers

Double any number between 1 and 1000 and find all corresponding halves

Add and subtract mentally with increasingly large numbers to aid fluency e.g. TthTHTU  $\pm$  THTU, TthTHTU  $\pm$  HTU, HTU.t  $\pm$  HTU.t

Multiply and divide whole number including those involving decimals by 10, 100 and 1000

Use knowledge of inverse to derive associated multiplication and division facts

Use known facts and knowledge of multiples to drive new facts

Count up and down in tenths, hundredths and thousandths in decimals and fractions including bridging zero

For fractions and decimals derive pairs with complements to 1 and to the other whole numbers

Identify equivalent fractions

Recognise decimal equivalents

Recognise decimal equivalents of fractions with a denominator of ten, one hundred and one thousand

Read and write decimal numbers with up to 3 decimal places as fractions

Read, write, order and compare numbers with up to three decimal places

Round decimals with up to two decimal places to the nearest whole number and to one decimal place

Know percentage and a decimal equivalents of  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$ , and those fractions with a denominator and a multiple of 10 or 25

Use knowledge of complements to 60 and that there are 60 minutes in an hour to convert time durations

