



Year 5 Basic Skills

Number

- 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

Calculating (+/-/x/÷)

- 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 or more numbers
- Find factor pairs of a two-digit number
- Understand the terms 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 ± THTU, TthTHTU ± HTU, HTU.t ± HTU.t
- Multiply and divide whole numbers 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 derive new facts

Fractions, decimals and percentages

- 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 other whole numbers
- Identify equivalent fractions
- 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 decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{2}{5}$, and those fractions with a denominator of a multiple of 10 or 25

Measurement

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