

Basic Skills

Year 1 basic skills

Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number

Count, read and write numbers to 100 in numerals

Count in multiples of twos, fives and tens

Identify one more and one less than any given number

Identify and represent numbers using objects pictorial representations

Read and write numbers from 1 to 20 in numerals and words

Memorise and reason with number bonds to 10 and 20

Understand the effect of adding and subtracting zero

Explore inverse relationship between addition and subtraction and use this to derive new facts

Use knowledge of inverse to derive associated addition and subtraction facts and check answers

Solve missing number and addition and subtraction problems

Find doubles and halves of numbers and relate to multiplying and dividing by two

Recognise, find and name a half and quarter of objects, shapes or quantities

Recognise and know the value of different denominations of coins and notes

Tell the time to the hour and half last the hour

Recognise and name common 2-D and 3-D shapes

Year 2 basic skills

Count across 100, forwards and backwards, in steps of 2, 3 and 5 from 0 and in tens from any given number

Read and write numbers to at least 100 in numerals and in words

Recognise the place value of each digit in a two-digit number (tens, ones)

Find 10 more and 1 less than a given number

Recognise zero as a place holder

Compare and order numbers from 0 up to 100; use $<$ $>$ and $=$ signs

Partition numbers in different ways

Round numbers to the nearest 10 and use this for estimation and calculation purposes

Recall addition and subtraction facts to 20 and derive and use related facts up to 100

Explore inverse relationship between addition and subtraction and use this to derive new facts and to check answers

Double any number between 1 and 30 and find all corresponding halves

Add and subtract numbers mentally using the appropriate strategies and jottings

Solve missing number addition and subtraction problems

Solve missing number problems with multiplication and division

Recognise, name, count and state different amounts of fractions e.g. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$

Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times

Find different combinations of coins to make particular values

Know relationships and simple equivalents between given units for length, mass and capacity

Identify and describe the properties of 2-D and 3-D shapes

Identify angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

Year 3 basic skills

Count from zero in multiples of 4, 8, 50 and 100 using bridging strategies
Recall multiplication facts and related division facts for 3,4, 8 times tables
Add and subtract a series of one-digit numbers
Use knowledge of compliments to 100 to find change from £1
Find 10 or 100 more or less than a given number
Read and write numbers to 1000
Recognise the place value of each digit in a three-digit number
Compare and order numbers up to 1000
Partition numbers into place value columns
Partition numbers in different ways
Round any three- digit number to the nearest 10 and 100
Use rounding to support estimation and calculation
Use knowledge of place value to derive new addition and subtraction facts
Use knowledge of inverse to derive associated addition and subtraction facts and check answers
Double any numbers between 1 and 50 and find all corresponding halves
Add and subtract mentally $HTU \pm U$, $HTU \pm T$ and $HTU \pm H$
Multiply any three-digit number by 10 and any two-digit number by 100
Divide any three – digit multiple of 10 by ten
Use knowledge of inverse to derive associated and division facts
Use known facts to derive nearby facts
Use known facts to derive equivalent facts
Count up and down in tenths
Recall fraction pairs to 1
Identify equivalent fractions with small denominators
Order fractions with the same denominator
Tell and write the time from a 12-hour analogue clock and a clock with Roman numerals and a digital clock display
Convert between money and measures including time
Recognise right angles, straight angles, half and full turns and identify whether the turn is greater, less than or the same as a right angle

Year 4 basic skills

Count from zero in multiples of 6, 7, 9, 25 and 1000 using bringing strategies as appropriate
Use knowledge of complements to 100 to find change from whole pounds
Use knowledge of complements to 60 to calculate time within an hour
Recall multiplication facts and related division facts for tables up to 12×12
Read and write numbers up to 10,000 and recognise the place value of each digit
Recognise the place value of each digit in a four – digit number
Compare and order numbers up to 10,000
Partition numbers into place value columns
Partition numbers in different ways
Round any four-digit number to the nearest 10, 100 and 1000
Use rounding to support estimation and calculation
Use knowledge of place value to derive new addition and subtraction facts
Use knowledge of inverse to derive associated addition and subtraction facts and check answers
Double any number between 1 and 100 and find all corresponding halves
Add and subtract mentally $\text{THTU} \pm \text{U}$, $\text{THTU} \pm \text{T}$, $\text{THTU} \pm \text{H}$, $\text{TU} \pm \text{TU}$ and $\text{HTU} \pm \text{TU}$
Multiply numbers including decimals by 10 and 100
Divide decimal number (to one decimal place) by 10
Divide four – digit whole numbers by 100
Use knowledge of inverse to derive associated multiplication and division facts
Use known facts to derive facts
Use known facts to derive equivalent facts
Count up and down in tenths and hundredths and recognise equivalent decimal places
Recall fraction and decimal pairs to 1
Identify fractions greater or less than a half
Identify equivalent fractions
Order, add and subtract fractions with the same denominator
Recognise decimal equivalents of fractions with a denominator of ten and one hundred and also decimal equivalents of half, one quarter and three quarters
Round decimals with one decimal places to the nearest whole number
Tell and write the time from a 12-hour analogue clock and a clock with Roman numerals and a digital clock display
Read, tell and write the time from a 24 hour clock
Convert between 12 and 24 hour clocks
Convert between money and measures including time
Recognise right angles, straight angles, half and full turns and relate the turn to a measurement in degrees
Identify different types of angles including acute and obtuse

Year 5

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 derive 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

Year 6

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

Count forwards and backwards with positive and negative whole numbers including zero and calculate intervals across zero

Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit

Partition numbers into place value columns

Partition numbers in different ways

Round any whole number to a required degree of accuracy

Use rounding to support estimation and calculation

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

Recognise and use square and cube numbers

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

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

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

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 giving answers up to 3 decimal places

Perform mental calculations including with mixed operations

Count up and down in tenths, hundredths and thousandths in decimals and fractions including bridging zero for example on a number line

Use their knowledge of the order of operations to carry out calculations involving the four operations

Use factors to simplify fractions

Compare and order decimals and fractions including fractions >1

Calculate simple percentages of amounts

Recognise mixed numbers and improper fractions and convert from one form to another and write mathematical statements >1 as a mixed number

Derive decimal complements to 1 working with decimals up to 3 decimal places

Recall and derive equivalences between fractions, decimals and percentages

Convert between money and measures including time

Soaring to Success