



Year 5

# Maths Targets

Name: \_\_\_\_\_

Class: \_\_\_\_\_



Key:

- Previous Year
- Autumn Term
- Spring Term
- Summer Term



(F11) I know what the per cent symbol is (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.

(F10) I can solve problems involving numbers with up to three decimal places.

(F9) I can read, write, order and compare numbers with up to three decimal places.

(F8) I can round decimals with two decimal places to the nearest whole number and to one decimal place.

(F7) I know what thousandths are and how to use them with tenths, hundredths and decimals.

(F6) I can read and write decimal numbers as fractions [for example,  $0.71 = 71/100$ ].

(F5) I use diagrams and some fraction tools to multiply proper fractions ( $7/10$ ) and mixed numbers ( $1\ 7/10$ ) by whole numbers.

(F4) I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.

(F3) I know what mixed numbers and improper fractions are and I can convert from one to the other [for example,  $2/5 + 4/5 = 6/5 = 1$  and  $1/5$ ].

(F2) I can name and write equivalent fractions of a given fraction, and show these in a drawing (including tenths and hundredths).

(F1) I can compare and order fractions whose denominators are all multiples of the same number.

(M11) I can solve problems including scaling by simple fractions and problems involving simple rates.

(M10) I can solve more difficult problems involving addition, subtraction, multiplication and division and a combination of these.

(M9) I can solve multiplication and division problems using my knowledge of factors and multiples, squares and cubes.

(M8) I know what square numbers and cube numbers are, including the notation for squared (2) and cubed (3).

(M7) I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

(M6) I can divide 4 digit numbers by a one-digit number using the written method of short division and find the remainder.

(M5) I multiply and divide numbers mentally drawing upon my times table knowledge and other number facts.

(M4) I can multiply 4 digit numbers by a one- or two-digit number using a written method, including long multiplication for two-digit numbers.

(M3) I know whether a number up to 100 is prime and recall prime numbers up to 19.

(M2) I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.

(M1) I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.

(G9) I can reflect or translate a shape on a grid.

(G8) I know regular shapes have equal sides and angles and irregular shapes do not have equal sides and angles.

(G7) I can find the missing lengths and angles of a rectangle.

(G6) I can identify multiples of  $90^\circ$  (right angles).

(G5) I know that a straight line - or angles that add up to a straight line - measure  $180^\circ$ .

(G4) I know one whole turn - or a set of angles all around a point - measure a total of  $360^\circ$ .

(G3) I can draw a given angle (such as  $47^\circ$ ), and then measure them in degrees ( $^\circ$ ).

(G2) I know that angles are measured in degrees and I can estimate and compare acute, obtuse and reflex angles.

(G1) I can identify 3-D shapes, including cubes and other cuboids, from 2-D drawings.

(ME8) I can solve more difficult problems which involve units of measurement, decimal numbers and scales.

(ME7) I can convert between the units of time.

(ME6) I can estimate volume [for example, using 1 cm<sup>3</sup> blocks to build cuboids] and capacity [for example, using water].

(ME5) I can calculate the area of rectangles in square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes.

(ME4) I can calculate the perimeter of 'multi-shape' shapes in centimetres and metres.

(ME3) I can change metric units to become imperial units such as cm to inches, grams to pounds and litres to pints.

(ME2) I can convert between: kilometre and metre; centimetre and metre; centimetre and millimetre.

(ME1) I can convert between: gram and kilogram; litre and millilitre.

(N6) I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

(N5) I can solve number problems and practical problems that involve numbers up to 1000000, negative numbers, rounding or jumping in steps.

(N4) I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

(N3) I can use negative numbers in my work and can count backwards and forwards to and from negative numbers.

(N2) I count forwards or backwards in steps 10, 100, 1000, 10000 or 100000 for any given number up to 1000000.

(N1) I can read, write, order and compare numbers to at least 1 000 000 and know the value of each digit.

(A4) I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and why.

(A3) I round numbers to check the accuracy of my solution.

(A2) I can add and subtract larger numbers in my head.

(A1) I can add and subtract whole numbers with more than 4 digits using written methods such as column addition and subtraction.

(S2) I can find the information I need from a timetable or large table of data.

(S1) I can solve problems using a line graph to fit the answers.

Fractions and Decimals

Multiplication and Division

Geometry

Measurement

Number & Place Value

Addition & Subtraction

Statistics