

# Charlesworth School Year Group Maths Targets





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# EYFS

## Maths Target Sheet



**Key Statement**

These skills must be secure to access the 40-60 months statements

**EYFS (Expected)**

**ELG Statement**

I can select the correct numeral to represent 1 to 5, then 1-10 objects.

I can count out up to six objects from a larger group

I can count objects to 10 and beginning to count beyond 10

I can count objects or actions that cannot be moved

I can count up to three or four objects by saying one number name for each item

I can recognise numerals 1 to 5

I can recognise some numerals of personal significance

**Number and Place Value**

I can say which number is one more than or one less than a given number from 1 to 20

I can place numbers in order from 1 to 20

I can count reliably with numbers from 1 to 20

I can estimate how many objects I can see and check by counting them

I can count an irregular arrangement of up to 10 objects

**Number and Place Value**

I can use the language of more and fewer to compare two sets of objects

In practical activities and discussion, I am beginning to use the vocabulary involved in adding and subtracting

I can find one more or one less than a group of 5 objects, then 10 objects

I can say the number that is one more than a given number

I can find the total number of items in two groups by counting all of them

**Calculation**

I can solve problems including doubling, halving and sharing

I can use quantities or objects to be able to subtract two single digit numbers by counting on and counting back

I can use quantities or objects to be able to add two single digit numbers by counting on

I can double, halve and share objects

I can record using marks that I can interpret an explain

**Calculation**

I can use everyday language in relation to size, weight, capacity, distance, time and money

I can use everyday language to compare quantities and objects

I can use everyday language to solve simple measurement problems

I am beginning to use everyday language related to money

I can measure measure short periods of time in simple ways

I can order an sequence familiar events

I can use everyday language related to time

I can order two items by weight or capacity

I can order two or three items by length or height

**Measurements**

I can explore the characteristics of everyday objects and shapes, using mathematical language to describe them

I can recognise, create and describe patterns

I can use everyday language in relation to position to solve problems

I can use familiar objects and common shapes to create and re-create patterns and build models

I am beginning to use mathematical terms to describe shapes

I am beginning to use mathematical names for solid 3-D shapes

I am beginning to use mathematical names for flat 2-D shapes

I can describe their own relative position e.g., 'behind' or 'next to'

I can select a particular named shape

**Geometry**



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# Pre-Year One Maths Target Sheet



## Exceeding Statement

All Exceeding statements must be secure as well as at least 50% of other statements for a pupil to be judged as exceeding.

## Emerging into Key Stage 1

I can count in steps of 2

I can count in steps of 10

I can say if a number is equal to, more than, less than, most or least

I can count numbers to 100

I can find one more and one less than a given number

I can read and write numbers from 0 to 20 in digits

I can estimate a number of objects and check quantities by counting up to 20

**Number and Place Value**

I can solve one step problems using subtraction

I can solve one step problems using addition

I can make and use number bonds to 10

I can subtract numbers to 10 by counting back

I can add numbers to 10 by counting on

I can read, write and understand calculations

**Addition and Subtraction**

I can solve 'real-life' problems using multiplication and division

I can use practical objects to divide

I can use practical objects to multiply

I can double numbers to 5

I can share and group small amounts to 10

I can solve practical problems involving sharing into equal groups

I can solve practical problems involving combining groups of 2, 5 or 10

**Multiplication and Division**

I can solve 'real-life' problems using measures

I can tell the time to the hour

I can measure and record capacity using non-standard units

I can measure and record weight using non-standard units

I can measure and record lengths and height using non-standard units

I can recognise and name all coins

I can sequence events in order using language of time

I can say the days of the week in order

I can talk about time

I can estimate, measure and weigh objects

**Measurements**

## Emerging into Key Stage 1

I can recognise and name 3-D shapes

I can recognise and name 2-D shapes

I can describe movement

I can describe position

I can describe direction

I can talk about properties, position

I can compare and order objects

**Geometry**

I can solve 'real-life' fraction problems

**Fractions**



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# Year One Maths Target Sheet





**Key Statement**

These skills must be secure to move beyond expected.

**KS1 Maths Targets (Expected)**

	I can solve one step problems using subtraction		I can compare, describe and solve problems for length and heights, mass/weights, capacity and volume and time		
			I can tell the time to the hour and half past hour		
			I am beginning to measure and record time		
I can count in multiples of 2, 5 and 10	I can solve one step problems using addition	I can solve one step division problems using concrete objects, pictorial representations and arrays	I am beginning to measure and record capacity and volume	I can recognise, find and name half of an amount	
I can say if a number is equal to, more than, less than, most or least	I can show and use number bonds to 20	I can solve one-step multiplication problems using concrete objects, pictorial representations and arrays	I am beginning to measure and record lengths, heights and mass/weights	I can recognise, find and name a quarter of an amount	I can recognise and name 3-D shapes
I can count to and across 100, forwards and backwards	I can add and subtract 2 digit numbers to 20	I can use arrays to multiply	I know and use words relating to dates such as weeks and months	I can recognise, find and name a quarter of a shape	I can recognise and name 2-D shapes
I can count, read and write numbers to 100	I can show and use subtraction facts within 20		I know the value of different coins and notes	I can recognise, find and name a quarter of an object	I can describe movement
I can find one more and one less than a given number	I add and subtract one digit numbers to 20	I can double single digit numbers	I can sequence events in order	I can recognise, find and name half of a shape	I can describe position
I can read and write numbers from 1 to 20 in digits and words	I can read, write and understand calculations with +, - and = signs	I can share and group small amounts	I know and use words relating to days	I can recognise, find and name half of an object	I can describe direction
<b>Number and Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Measurements</b>	<b>Fractions</b>	<b>Geometry</b>



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# Year Two Maths Target Sheet





## Key Statement

These skills must be secure to move beyond expected.

## KS1 Maths Targets (Expected)

I can use place value and number facts to solve problems.	I can recognise and use the inverse relationship between addition and subtraction.	I can solve one step problems involving multiplication and division	I can solve simple problems in practical context involving addition and subtraction of money of the same unit including giving change.	I know the number of minutes in an hour and the number of hours in a day		
I can read and write numbers to 100 in numerals and in words.	I know addition can be done in any order, but subtraction can't.	I know that division of one number by another cannot be done in any order	<b>Tell and write the time to five minutes including quarter past/to and draw hands on clock face to show these times.</b>			
I can use <, > and = signs.	<b>I can add three one digit numbers.</b>	I know that multiplication of two numbers can be done in any order	I can compare intervals of time	I can write simple fractions and recognise equivalence	I can use mathematical vocabulary to describe position, direction and movement	I can ask and answer questions when comparing categorical data
I can compare and order numbers from 0 to 100.	I can add and subtract two 2 digit numbers.	I can calculate division statements	<b>I can find different ways of putting coins together that make the same amount</b>	I can recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , & $\frac{3}{4}$ of a set of objects	I can order and arrange combinations of objects in patterns and sequences	I can answer questions about totalling
I can identify, represent and estimate numbers.	<b>I can add and subtract 2 digit numbers and ones.</b>	I can calculate multiplication statements	<b>I can recognise and use symbols for pound (£) and pence (p)</b>	I can recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , & $\frac{3}{4}$ of a quantity	<b>I can identify 2-D shapes on the surface of 3-D shapes</b>	I can ask and answer questions by sorting categories by quantity
I can recognise the place value of each digit in a two-digit number.	I can derive and use related facts to 100.	<b>I can recognise odd and even numbers</b>	I can compare and order lengths, mass, volume/capacity using <, > and =	I can measure to the nearest unit using rulers, scales, thermometers and measuring vessels	<b>I can identify and describe the properties of 3-D shapes</b>	<b>I can interpret and construct simple tables</b>
I can count in tens from any number, forward and backward	I can recall and use addition and subtraction facts to 20 fluently.	I can write multiplication and division statements within the times tables using x, ÷ and = signs	I can choose and use appropriate standard units to estimate and measure	I can recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , & $\frac{3}{4}$ of a shape	I can identify lines of symmetry in 2-D shapes	<b>I can interpret and construct simple tally charts</b>
I can count in steps of 2,3 and 5	I can solve one-step addition and subtraction problems.	I can recall and use x and ÷ facts for 2, 5 and 10 times tables		I can recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , & $\frac{3}{4}$ of a length	<b>I can identify and describe the properties of 2-D shapes</b>	<b>I can interpret and construct simple pictograms</b>
<b>Number and Place Value</b>	<b>Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Measurements</b>	<b>Fractions</b>	<b>Geometry</b>	<b>Statistics</b>



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# Year Three Maths Target Sheet



**Key Statement**

These skills must be secure to move beyond expected.

# KS2 Maths Targets (Expected)

I can compare the duration of events

I know the number of seconds in a minute, the number of days in each month, year and leap year

I can estimate and read time with increasing accuracy and compare times using appropriate vocabulary

I can solve problems involving fractions

I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines

I can compare and order numbers up to 1000

I can solve missing number problems

I can count from 0 in multiples of 4, 8, 50 and 100

I can estimate the answer to a calculation and use inverse operations to check

I can identify, represent and estimate numbers in different contexts

I can solve addition and subtraction problems

I can find 10 or 100 more or less than a given number

I can subtract numbers up to three digits using an efficient written method

**I can recognise the place value of each digit in a three digit number**

I can add and subtract a three digit number and hundreds mentally

I can solve number problems and practical problems

I can add and subtract three digit number and tens mentally

I can read and write numbers to 1000 in numerals and in words

I can add and subtract a three digit number and ones mentally

I can solve multiplication and division problems

I can recall and use multiplication/division facts for the 8 times tables

I can use mental strategies to multiply a 2-digit number by a 1 digit

I can write and calculate statements for  $\times$  and  $\div$  using the times tables that I know

I can recall and use multiplication and division facts for the 3 times tables

I can recall and use multiplication and division facts for the 4 times tables

**I can use efficient written methods to multiply a 2 digit and a 1 digit number**

I can tell time using Roman Numerals from I to XII

I can tell and write the time from an analogue clock in 12 and 24-hour

I can add and subtract amounts of money to give change in £ and p

I can measure the perimeter of a 2-D shape

I can measure compare, add and subtract volume/capacity (l/ml)

I can measure compare, add and subtract mass (kg/g)

**I can measure, compare, add and subtract lengths (m/cm/mm)**

I can compare and order fractions, and fractions with the same denominator

I can add and subtract fractions with the same denominators within one whole

I can recognise and show, using diagrams, equivalent fractions

I can recognise and use fractions as numbers

I can find and write fractions for a set of objects

I can recognise that tenths arise from dividing an object into 10 equal parts

**I can count up and down in tenths**

I can identify whether angles are greater than or less than a right angle

I can recognise that two right angles make a half turn. Three make a  $\frac{3}{4}$  of a turn and four make a complete turn

I can identify right angles

I can recognise angles as a property of shape or a description of a turn

I can recognise 3-D shapes in different orientations

I can make 3-D shapes using modelling materials

**I can draw 2-D shapes**

I can solve two step problems using presented data

I can solve one-step problems using presented data

I can interpret and present data using tables

**I can interpret and present data using pictograms**

**I can interpret and present data using bar charts**

**Number and Place Value**

**Addition and Subtraction**

**Multiplication and Division**

**Measurements**

**Fractions**

**Geometry**

**Statistics**



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# Year Four Maths Target Sheet



## Key Statement

These skills must be secure to move beyond expected.

# KS2 Maths Targets (Expected)

I can solve number and practical problems that involve all Y4 skills and with increasingly large positive numbers

I can read Roman Numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

I can round any number to the nearest 10, 100 or 1000

I can identify, represent and estimate numbers

I can compare and order numbers beyond 1000

I can recognise the place value of each digit in a four digit number

I can count backwards through zero to include negative numbers

I can find 1000 more or less than a given number

I can count in multiples of 6, 7, 9, 25 and 1000

Number and Place Value

I can solve subtraction two-step problems, deciding which operations and methods to use and why

I can solve addition two-step problems, deciding which operations and methods to use and why

I can use inverse operations to check answers to a calculation

I can estimate to check answers to a calculation

I can subtract numbers with up to four digits using efficient methods

I can add numbers with up to four digits using efficient methods

Addition and Subtraction

I can solve increasingly difficult multiplication (and addition) problems e.g. those involving the distributive law

I can multiply three-digit numbers by one-digit numbers

I can multiply two-digit numbers by one-digit numbers

I can recognise and use factor pairs in mental calculations

I can multiply together three numbers

I can use place value, known and derived facts to multiply mentally

I can recall multiplication and division facts for times tables to 12x12

Multiplication and Division

I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days

I can tell and write and convert the time between analogue and digital 12 and 24-hour clocks

I can estimate, compare and calculate different measures, including money in pounds and pence

I can find the area of rectilinear shapes by counting squares

I can measure and calculate the perimeter of a rectilinear figure in cm and m

I can convert between different units of measure

Measurements

I can solve problems involving increasingly harder fractions where the answer is a whole number (5.10)

I can solve simple measure and money problems involving fractions and decimals

I can compare numbers with the same number of decimal places

I can round decimals with one decimal place to the nearest whole number

I can find the effect of  $\div$  a number by 10 and 100 and identify the value of the digits in the answer

I can recognise and write decimal equivalents to  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{1}{4}$

I can recognise and write decimal equivalents of any number of tenths or hundredths

I can add and subtract fractions with the same denominator

I can count up and down in hundredths; recognise that hundredths and tenths arise by dividing by 100 and 10

I can recognise and show, using diagrams, families of common equivalent fractions

Fractions and Decimals

I can plot specified points and draw sides to complete a given polygon

I can describe movements between positions as translations of a given unit to the left/right and up/down

I can describe positions on a 2-D grid as coordinates in the first quadrant

I can complete a simple symmetric figure with respect to a specific line of symmetry

I can identify lines of symmetry in 2-D shapes presented in different orientations

I can identify acute and obtuse angles and compare and order angles up to two right angles by size

I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes

Geometry

I can solve 'difference' problems using information presented in bar charts, pictograms, tables and other graphs

I can solve 'sum' problems using information presented in bar charts, pictograms, tables and other graphs

I can solve 'comparison' problems using information presented in bar charts, pictograms, tables and other graphs

I can interpret and present data using time graphs

I can interpret and present data using bar charts

Statistics





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# Year Five Maths Target Sheet



## Key Statement

These skills must be secure to move beyond expected.

# KS2 Maths Targets (Expected)

I can read Roman Numerals to 1000 (M) and recognise years written in Roman Numerals

I can solve number problems and practical problems that involve all of the below

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

I can use negative numbers in context; count forwards and backwards with positive and negative whole numbers through zero

I can count forwards and backwards in steps of powers of 10 for any given number up to 1 000 000

I know what each digit represents in numbers to 1 000 000

I can read, write, order and compare numbers to at least 1 000 000

I can use addition and subtraction to solve multi-step problems

I can use rounding to check answers and calculations

I can subtract mentally using increasingly large numbers

I can add mentally using increasingly large numbers

I can subtract whole numbers with more than four digits

I can add whole numbers with more than four digits

I can solve problems involving  $\times$  and  $\div$  including scaling by simple fractions and problems involving simple rates.

I can multiply up to four digits by a two digit number using formal method including long multiplication

I can solve problems involving  $+$ ,  $-$ ,  $\times$  and  $\div$  and a combination of these including, including understanding meaning of  $=$  sign

I can solve problems involving  $\times$  and  $\div$  including using factors and multiples

I can recognise and use square numbers and cube numbers and the notation for squared ( $^2$ ) and cubed ( $^3$ )

I can  $\times$  and  $\div$  whole numbers and those involving decimals by 10, 100 and 1000

I can multiply and divide numbers mentally

I can divide numbers up to 4 digits by a one digit number

I can multiply numbers up to 4 digits by a one digit number

I can establish whether a number up to 100 is prime and recall prime numbers up to 19

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

I can identify multiples and factors, including finding all factor pairs

I can use all four operations to solve problems involving measure using decimal notation including scaling

I can solve problems involving converting between units of time

I can estimate volume and capacity

I can estimate the area of irregular shapes

I can calculate and compare the area of rectangles (including squares)

I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and meters

I can understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

I can convert between different units of metric measure

I can solve problems which require knowing percentage and decimal equivalents of  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$  and those with a denominator of a multiple of 10 and 25

I can recognise the % symbol and understand what it means

I can solve number problems involving up to three decimal places

I can read, write, order and compare numbers with up to three decimal places

I can round decimals with 2 decimal places to the nearest whole number and to one decimal place

I can recognise and use 1000ths and relate them to 10ths, 100ths and decimal equivalents

I can read and write decimal numbers as fractions

I can multiply proper fractions and mixed numbers by whole numbers

I can add/subtract fractions with the same denominator and denominators that are multiples of the same number

I can recognise mixed numbers and improper fractions and convert from one form to the other

I can identify, name and write equivalent fractions of any given fraction

I can compare and order fractions with denominators that are all multiples of the same number

I can identify, describe and represent the position of a shape following a reflection or translation

I can distinguish between regular and irregular polygons

I can use the properties of rectangles to deduce related facts and find missing lengths and angles

I can identify other multiples of  $90^\circ$

I can identify angles at a point on a straight line and  $\frac{1}{2}$  turn

I can identify angles at a point and one whole turn

I can draw given angles and measure them in degrees ( $^\circ$ )

I know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles

I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations

I can complete, read and interpret information in tables, including timetables

I can solve 'difference' problems using information presented in a line graph

I can solve 'sum' problems using information presented in a line graph

I can solve 'comparison' problems using information presented in a line graph

Number and Place Value

Addition and Subtraction

Multiplication and Division

Measurements

Fractions and Decimals

Geometry

Statistics





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# Year Six Maths Target Sheet



## Key Statement

These skills must be secure to move beyond expected.

# KS2 Maths Targets (Expected)

I can enumerate possibilities of combinations of two variables

I can find pairs of numbers that satisfy an equation with two unknowns

I can express missing number problems algebraically

I can generate and describe linear number sequences

I can use simple formulae

I can solve number problems and practical problems that involve all of the below

I can use negative numbers in context and count intervals across zero

I can round any whole number to the required degree of accuracy

I know what each digit represents in numbers to 10 000 000

I can read, write, order and compare numbers to 10 000 000

Number, Place Value and Algebra

I can use estimation to check answers to calculations

I can solve problems involving addition, subtraction, multiplication and division

I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why

I can use the knowledge of the order of operations to carry out calculations involving the four operations

**I can identify common factors, common multiples and prime numbers**

I can perform mental calculations, including with mixed operations and large numbers

I can interpret remainders as whole number remainders, fractions or by rounding

I divide numbers up to four digits by a two digit whole number

I multiply numbers up to four digits by a two digit whole number

Calculation (+, -, x and ÷)

I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

I can solve problems involving similar shapes where the scale factor is known or can be found

I can solve problems involving the calculation of percentages

I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts

Ratio and Proportion

I can calculate, estimate and compare volume of cubes and cuboids using standard units, including  $\text{cm}^3$  and  $\text{m}^3$ . I can extend this into other units e.g.,  $\text{mm}^3$  and  $\text{km}^3$

I can calculate the area of parallelograms and triangles

I can recognise when it is possible to use formulae for area and volume of shapes

I can recognise that shapes with the same area have different perimeters and vice versa

I can convert between miles and kilometres

**I can use, read, write and convert between standard units**

I can solve problems involving the calculation and conversions of units of measure, using decimal notation up to three decimal points where appropriate

Measurement

I can use estimation to check answers to calculations

I can solve problems involving +, -, x and ÷; using estimation to check answers

I can use written division methods in cases where the answer has up to two decimal places

I can multiply one digit numbers with up to two decimal places by whole numbers

I can identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

I can associate a fraction with division and calculate decimal fraction equivalents

**I can divide proper fractions by whole numbers**

**I can multiply simple pairs of proper fractions, writing the answer in its simplest form**

**I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions**

I can compare and order fractions, including fractions  $>1$

I can use common factors to simplify fractions; use common multiples to express fractions in the same denominator

Fractions, Decimals and Percentages

I can draw and translate simple shapes on the coordinate plane, and reflect them in the axes

I can describe positions on the full coordinate grid

I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles

I can illustrate and name parts of circles, including radius, diameter and circumference

I can find unknown angles in any triangles, quadrilaterals and regular polygons

I can compare and classify geometric shapes based on their properties and sizes

**I can recognise, describe and build simple 3-D shapes, including making nets**

I can draw 2-D shapes using given dimensions and angles

Geometry

I can calculate and interpret means as an average

I can use pie charts and line graphs to solve problems

**I can construct and interpret line graphs**

I can construct and interpret pie charts

Statistics