Year 3 Maths Targets

Number and place value	Achieved
Count from 0 in multiples of 4, 8, 50 and 100	
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	
Compare and order numbers up to 1000	
Read and write numbers to at least 1000 in numerals and in words	
Addition and subtraction	
Add numbers with up to three digits using column addition	
Subtract numbers with up to three digits using column subtraction	
Estimate the answer to a calculation and use inverse operations to check answers	
Multiplication and division	
Recall and use multiplication and division facts for the 3 times table	
Recall and use multiplication and division facts for the 4 times table	
Recall and use multiplication and division facts for the 8 times table	
Calculate multiplications of two-digit numbers times one-digit numbers using written methods	
Use tables knowledge to calculate division questions	
Fractions	
Count up and down in tenths	
Recognise, find and write fractions of sets of objects: unit fractions and non-unit fractions with small denominators	
Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
Recognise and show, using diagrams, equivalent fractions with small denominators	
Add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7)	
Compare and order unit fractions with the same denominator	

Year 4 Maths Targets

Number, place value and rounding	Achieved
Count in multiples of 6, 7, 9, 25 and 1000	
Find 1000 more or less than a given number	
Count backwards through zero to include negative numbers	
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	
Order and compare numbers beyond 1000	
Round any number to the nearest 10, 100 or 1000	
Addition and subtraction	
Add numbers with up to four digits using column addition	
Subtract numbers with up to four digits using column subtraction	
Estimate and use inverse operations to check answers to a calculation	
Solve addition and subtraction two-step problems, deciding which operations and methods to use and why	
Multiplication and division	
Recall multiplication and division facts for multiplication tables up to 12 × 12	
Use place value and known facts to calculate multiplications and divisions e.g. 30 x 8, 270 ÷ 9	
Recognise and use factor pairs in mental calculations e.g. to x 20 use x2 and x10	
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
Fractions	
Count up and down in hundredths	
Find fractions of amounts	
Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths	
Add and subtract fractions with the same denominator	
Decimals and fractions	
Recognise and write decimal equivalents of any number of tenths or hundredths	
Recognise and write decimal equivalents to 1/4; 1/2; 3/4	
Round decimals with one decimal place to the nearest whole number	
Compare numbers with the same number of decimal places up to two decimal places	
Solve simple measure and money problems involving fractions and decimals to two decimal places	

Year 5 Maths Targets

Number, place value, approximation and estimation	Achieved
Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit	
Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000	
Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero	
Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000	
Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals	
Addition and subtraction	
Add numbers with more than 4 digits using column addition	
Subtract numbers with more than 4 digits using column subtraction	
Add and subtract numbers mentally with increasingly large numbers	
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	
Multiplication and division	
Identify multiples and factors, including finding all factor pairs	
Solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors	
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	
Multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers	
Multiply and divide numbers mentally drawing upon known facts	
Divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context	
Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	
Recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})	
Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	
Fractions	
Compare and order fractions whose denominators are all multiples of the same number	
Recognise mixed numbers and improper fractions and convert from one form to the other	
Add and subtract fractions with the same denominator and related fractions; write mathematical statements >1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5)	
Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	
Decimals	
Read and write decimal numbers as fractions (e.g. 0.71 = 71/100)	
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
Round decimals with two decimal places to the nearest whole number and to one decimal place	
Read, write, order and compare numbers with up to three decimal places	
Solve problems involving number up to three decimal places	
Percentages, decimals and fractions	
Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction	
Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those with a denominator of a multiple of 10 or 25	

Year 6 Maths Targets

Number, place value and rounding	Achieved
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit	
Round any whole number to a required degree of accuracy	
Use negative numbers in context, and calculate intervals across zero	
Addition, subtraction, multiplication and division	
Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written method of long multiplication	
Divide numbers up to 4 digits by a two-digit whole number using the efficient written method of long division	
Identify common factors, common multiples and prime numbers	
Use knowledge of the order of operations to carry out calculations involving the four operations	
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	
Use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy	
Fractions	
Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
Compare and order fractions, including fractions >1	
Associate a fraction with division to calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8)	
Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. 1/4 × 1/2 = 1/8)	
Divide proper fractions by whole numbers (e.g. 1/3 ÷ 2 = 1/6	
Decimals	
Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places	
Multiply one-digit numbers with up to two decimal places by whole numbers	
Solve problems which require answers to be rounded to specified degrees of accuracy	
Percentages, decimals and fractions	
Solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentages for comparison	
Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	