



## Key Mathematics Targets

Target	
3.1.a.1 Count from 0 in multiples of 100	I can count from 0 in multiples of 50 and 100
3.1.a.3 Count from 0 in multiples of 4, 8 and 50	
3.1.a.2 Find 10 or 100 more or less than a given number	I can find 10 more or less than a given number using a 100 square. I can compare and order numbers up to 100 and beyond
3.1.b.1 Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	I can read and write numbers greater than 100 in numerals and words I can recognise the place value of some of the digits in a three-digit number
3.1.d.1 Solve number problems and practical problems with number and place value	I can show you some numbers on a number line and using another resource I can round any whole number to the nearest 10, 100.
3.2.b.1 Mentally add and subtract numbers including a three-digit number with ones, tens or hundreds	I can add and subtract numbers mentally, including some three-digit numbers, using a resource to help me I can add and subtract numbers, including some three digit numbers, using an informal written method. I know roughly what the answer to an addition/subtraction calculation should be
3.2.b.3 Calculate mentally using multiplication and division facts for the 3, 4 and 8 multiplication tables, including two-digit numbers times one-digit numbers	I know roughly what the answer to a multiplication/division calculation should be I know some facts for the 2, 4, 5 and 10 times tables
3.2.d.2 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	I can give you three related facts for some of the tables, including 3, 4 or 8
3.2.e.2 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	I can solve some problems in context
3.3.a.1 Recognise, find and write fractions of a discrete set of objects, unit fractions with small denominators	I can find a half, third, and tenth of a set of objects.
3.3.a.3 Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	I can use the number line to count up or down with fractions I can mark some fractions on a number line and say which is biggest / smallest
3.3.b.1 Recognise and show, using diagrams, equivalent fractions with small denominators	I know which fractions are equivalent to a half.
3.3.c.3 Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	I can write number sentences such as: $\frac{1}{2} + \frac{1}{2} = 1$ and draw diagrams to represent them. I can add quarters using diagrams I can compare $\frac{1}{5}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ I can solve problems involving fractions using diagrams
3.2.2 Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	I can tell the time accurately to the nearest 5 minutes, including quarter past / to. I can tell you the time 'half an hour before / after I can use some correct time vocabulary I can work out how long something lasts in half or quarter hours I know how many minutes in an hour I can solve practical problems using measure
3.3.3 Add and subtract amounts of money to give change, recording £ and p separately	I can give change from £1 in pence
3.3.4 Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	I can say what half a division on a numbered scale is worth I can accurately measure some lengths I can accurately measure the sides of simple shapes I can accurately measure some masses I can accurately measure some volume/capacity
3.2.2 Describe 2-D shapes using accurate language, including lengths of lines and angles greater or less than a right angle	I can draw some 2-D shapes I can make one or two 3-D shapes using resources I can talk about their faces, edges and vertices I can count the number of angles in a shape I can distinguish between horizontal and vertical
3.3.1 Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn	I can turn through half, quarter and three quarter turns
3.3.2 Identify whether angles are greater than or less than a right angle	I can put angles in order of size
3.1.1 Interpret bar charts, pictograms and tables	I can read some information from bar charts and pictograms.
3.2.1 Present data in bar charts, pictograms and tables	I can solve simple problems using information from bar charts and pictograms.



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Target	
3.1.a.1 Count from 0 in multiples of 100	I can count from 0 in multiples of 4, 8, 50 and 100
3.1.a.3 Count from 0 in multiples of 4, 8 and 50	
3.1.a.2 Find 10 or 100 more or less than a given number	I can find 10 or 100 more or less than a given number I can compare and order numbers up to 1000
3.1.b.1 Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	I can read and write numbers up to 1 000 in numerals and in words I can recognise the place value of each digit in a three-digit number
3.1.d.1 Solve number problems and practical problems with number and place value	I can identify, represent and estimate numbers using different representations
3.2.b.1 Mentally add and subtract numbers including a three-digit number with ones, tens or hundreds	I can add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds I can add and subtract numbers with up to three digits, using suitable methods that lead to vertical methods of addition and subtraction I can estimate the answer to an addition/subtraction calculation and use inverse operations to check answers
3.2.b.3 Calculate mentally using multiplication and division facts for the 3, 4 and 8 multiplication tables, including two-digit numbers times one-digit numbers	I can estimate the answer to a multiplication/division calculation and use inverse operations to check answers I can use facts that I know to work out other facts and explain how I did it I can solve missing number problems for multiplication
3.2.d.2 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	I can recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables.
3.2.e.2 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	I can write and calculate number sentences for multiplication and division I can use multiplication and division to scale up or down,
3.3.a.1 Recognise, find and write fractions of a discrete set of objects, unit fractions with small denominators	I can find and write fractions of a discrete set of objects
3.3.a.3 Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	I can count up and down in tenths I understand that tenths arise from dividing an object or number into 10 equal parts I can recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
3.3.b.1 Recognise and show, using diagrams, equivalent fractions with small denominators	I can recognise and show, using diagrams, equivalent fractions with small denominators
3.3.c.3 Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	I can add and subtract fractions with the same denominator within one whole I can compare and order unit fractions, and fractions with the same denominator I can solve problems involving fractions
3.2.2 Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks I can estimate and read time with increasing accuracy to the nearest minute I can record and compare time in terms of seconds, minutes and hours I can use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight I can compare durations of events I know the number of seconds in a minute and the number of days in each month, year and leap year I can solve number problems and practical problems involving these ideas
3.3.3 Add and subtract amounts of money to give change, recording £ and p separately	I can add and subtract amounts of money to give change, using both £ and p in practical contexts
3.3.4 Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	I can read a partially numbered scale to the nearest marked division I can accurately measure, compare, add and subtract lengths (m/cm/mm) I can measure the perimeter of simple 2-D shapes I can measure, compare, add and subtract mass (kg/g) I can measure, compare, add and subtract volume/capacity (l/ml)
3.2.2 Describe 2-D shapes using accurate language, including lengths of lines and angles greater or less than a right angle	I can draw 2-D shapes I can make 3-D shapes using modelling materials I can recognise 3-D shapes in different orientations and describe them I can recognise angles as a property of shape or a description of a turn I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines
3.3.1 Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn	I can identify right angles I can recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn
3.3.2 Identify whether angles are greater than or less than a right angle	I can identify whether angles are greater than or less than a right angle
3.1.1 Interpret bar charts, pictograms and tables	I can interpret and present data using bar charts, pictograms and tables
3.2.1 Present data in bar charts, pictograms and tables	I can solve one-step and two-step questions



## Key Mathematics Targets

Target	
3.1.a.1 Count from 0 in multiples of 100	I can solve problems involving multiples of 4, 8, 50 and 100
3.1.a.3 Count from 0 in multiples of 4, 8 and 50	
3.1.a.2 Find 10 or 100 more or less than a given number	I can solve problems using place value
3.1.b.1 Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	I can solve problems and explain how I solved them I can work systematically to solve problems with numbers
3.1.d.1 Solve number problems and practical problems with number and place value	I can solve more complex problems using the digits of all 3-digit numbers up to 1000
3.2.b.1 Mentally add and subtract numbers including a three-digit number with ones, tens or hundreds	I can solve missing number problems and talk about how I work out addition and subtraction mentally I can add and subtract two 3-digit numbers using a formal method of columnar addition or subtraction, explaining how it links with less formal methods. I can explain different methods of addition and subtraction of two numbers I can reason about calculations
3.2.b.3 Calculate mentally using multiplication and division facts for the 3, 4 and 8 multiplication tables, including two-digit numbers times one-digit numbers	I can reason about numbers
3.2.d.2 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	I can solve problems using tables facts
3.2.e.2 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	I can use multiplication and division to solve problems I can solve problems including scaling up or down
3.3.a.1 Recognise, find and write fractions of a discrete set of objects, unit fractions with small denominators	I can use what I know to solve problems with fractions
3.3.a.3 Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	
3.3.b.1 Recognise and show, using diagrams, equivalent fractions with small denominators	
3.3.c.3 Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
3.2.2 Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	I can solve problems involving time I can solve problems and reason about time
3.3.3 Add and subtract amounts of money to give change, recording £ and p separately	I can solve problems involving money
3.3.4 Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	I can solve problems involving length I can solve problems involving weight I can solve problems involving volume/capacity
3.2.2 Describe 2-D shapes using accurate language, including lengths of lines and angles greater or less than a right angle	I can reason about shapes I can use properties of shape to solve problems I can solve problems about 3-D shapes I can solve problems using line properties
3.3.1 Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn	I can solve problems using turning
3.3.2 Identify whether angles are greater than or less than a right angle	I can solve problems using angles
3.1.1 Interpret bar charts, pictograms and tables	I can reason by interpreting and comparing statistical diagrams
3.2.1 Present data in bar charts, pictograms and tables	I can solve complex problems using statistical diagrams