

Name

		Name					
		3c	3b	3a	4c	4b	4a
Using and Applying	Problem solving	I can put a maths problem into my own words and find the important information needed to solve it	I can solve a one or two step problem involving numbers, money, measures, time	I try different approaches to overcome difficulties when problem solving	I am beginning to use a wider range of strategies to solve one and two step problems	I can use my own strategies for solving one and two step problems using all four operations	I can use my own strategies (including using a calculator) for solving problems, including those with decimals
	Communicating			I can organise my work and check my results	I am beginning to present my work in a clear and organised way	I can present my work in a clear and organised way	I can present my work in a clear and organised way and explain my work using maths language
		I can describe strategies used	I can discuss my maths work, explain my thinking and use appropriate maths language		I can use and interpret a wider range of maths symbols and diagrams		
Reasoning	I can review my work and ask questions about it	I am beginning to recognise general statements/ patterns/ relationships to solve problems	I can understand a general statement by finding examples to match it	I can identify patterns as I work from my own generalisations	I can search for a solution	I can search for a solution by trying my own ideas	
Number	Number system	I am beginning to read, write, order, count, order numbers to 1000	I can read, write, order, count, order numbers to 1000	I can read, write, count and order numbers to at least 1000	I can read, write, count and order numbers to 10,000 and know the value of the digits	I can read, write, count and order numbers to 100,000 and know the value of the digits	I can read, write, count and order numbers to 1 million and know the value of the digits
		I can round 2 digit and 3 digit numbers to the nearest 10/100	I know the value of the digits and can partition numbers	I can round four digit numbers to the nearest 10/100/1000	I can round five digit numbers to the nearest 10/100/1000	I can round six digit numbers to the nearest 10/100/1000	
		I can multiply whole numbers by 10	I can divide whole numbers by 10	I can multiply/divide integers by 10/100/1000	I know multiples, factors, square numbers, prime number		
	Fractions, decimals, percentage and ratio	I can use fractions such as 1/2, 1/4, 3/4, 1/5, 1/6, 1/10 etc in shapes	I can use fractions such as 1/2, 1/4, 3/4, 1/5, 1/6, 1/10 and 2/5, 4/10 in shapes	I can use fractions such as 1/2, 1/4, 3/4, 1/5, 1/6, 1/10 for sets of objects	I can recognise equivalent fractions in diagrams (eg 1/2 = 2/4)	I can recognise simple equivalence between fractions, decimals and percentages (eg 1/2, 1/4, 1/10, 3/4)	I can use and order decimals to 3dp and continue a decimal number sequence inc. negative numbers
				I can recognise some fractions that are equivalent to 1/2	I can understand mixed numbers and position them on a number line	I can convert mixed numbers to improper fractions and vice versa	I can solve problems involving proportions of quantities (eg increase the quantities in a recipe for 2 people to feed 6 people)
				I know pairs of fractions that total 1	I can use and order decimals to 1dp and continue a decimal number sequence inc. negative numbers	I can use and order decimals to 2dp and continue a decimal number sequence inc. negative numbers	
				I am beginning to use decimal notation in context (eg £3.06 = 306p)	I understand and know simple percentages (eg 10%, 25%, 50%, 75%, 100%) and know their fraction equivalents	I can find simple percentages (eg 10%, 25%, 50%, 75%) of quantities.	I can find percentages (eg 30%, 60%,) of quantities (multiples of ten)
Calculating	Operations	I can find a division fact from a multiplication fact (eg 14 x 5 = 70, 70 ÷ 5 = 14)	I can find the associated number statements for a given multiplication fact (eg 14 x 5 = 70, 70 ÷ 5 = 14, 70 ÷ 14 = 5)	I can use inverses in number problems (eg I think of a number, double it and add 5. The answer is 35. What is the number?)	I can use inverses in number problems	I can complete balancing equations with all four operations (eg 7 x 10 = 82 - P)	I can use brackets in simple calculations
				I can understand the = sign in balancing equations (eg 7 x 10 = 82 - )			
	Mental, written and calculator methods	I know number pairs that total 100 (eg 37 + 63 = 100)	I know the complements of number additions to 100 (eg 100 - 37 = 63)	I can add/subtract two, 2-digit numbers mentally (eg 39 + 19 = 58, 91 - 35 = 56)	I can use addition and subtraction facts for pairs of multiples to 1000 (eg 300 + 700 = 1000)	I know complements of 1000 (eg 1000 - 350 = 650)	
		I can add and subtract two, two digit numbers.	I can add and subtract two, three digit numbers.	I can use an expanded column method for addition calculations.	I can add/subtract four/five digit numbers	I can add/subtract four/five digit numbers including decimals	I can use a formal short method for addition calculations.
			I can add and subtract decimals in context (eg money)	I can use a number line efficiently for subtraction calculations.			I can use an expanded column method for subtraction calculations.
		I know the multiplication tables: 2x, 3x, 4x, 5x, 6x, 10x	I know the multiplication tables: 7x, 8x, 9x	I know the multiplication tables: 2x to 12x	I know the multiplication tables: 2x to 12x	I can use my multiplication tables knowledge to calculate with multiples of 10 (eg 30 x 7, 180 ÷ 6)	I can multiply a decimal to 1 dp by a single digit (eg 36.2 x 8 =)
		I understand that to find a quarter of a number I can half it and half it again	I know the doubles of numbers to 50 (eg 32 + 32 =)	I can halve whole numbers (eg 126, 23)	I can halve decimals		
		I can multiply a two digit numbers by 2, 3, 4, 5, 6, 10	I can divide a two digit numbers by 2, 3, 4, 5, 10 with whole number answers and remainders	I can multiply/divide a four/five digit number by a single digit (with no remainders)	I can divide a four/five digit number by a single digit where there is a remainder		I can multiply a two digit number by a two digit number (TU x TU)
			I can efficiently use the grid method for multiplying 2-digit by 1-digit numbers.	I can use a calculator when appropriate and know that for example 4.50 is £4.50 in the context of money	I know the division facts for the multiplication tables: 2x to 12x		I can efficiently use the grid method for multiplication.
							I can use a range of efficient mental methods of computations with the four operations

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	Solving numerical	I can solve more complex one step problems (including money and measures) that involve any of the four operations	I can use the mental recall of addition and subtraction facts to 20 to solve problems I can solve two step problems that involve addition and subtraction	I can solve two step problems (including money and measures) that involve any of the four operations and remainders	I can do simple calculations using negative numbers	I can solve two step word problems with or without a calculator	I can check the reasonableness of my answer
	Algebra				I can read and plot coordinates in the first quadrant	I can read and plot coordinates in the two upper quadrants	I am beginning to use simple formulae expressed in words
Shape	Properties	I can describe the properties of the shapes in Level 2b (eg flat faces, curved edges)	I understand 'regular' and 'irregular'	I can recognise the nets of a cone, cube, cuboid, triangular prism, triangular /square based pyramid	I can name and draw polygons from 3 to 12 sides and can describe their properties	I can recognise quadrilaterals – square, rectangle, trapezium, parallelogram, rhombus, kite and describe their properties	I can draw an oblique line of symmetry in a shape
		I can sort the shapes in Level 2b using more than one criterion (eg pentagon/not pentagon or edges equal/not equal)	I can name 'acute' and 'obtuse' angles	I can compare and order angles less than 180 degrees	I can draw the nets of the 3D shapes listed in Level 3b	I can recognise right angled, isosceles, equilateral and scalene triangles and describe their properties	
		I can recognise right angles in different orientations	I can name 'right angled' and 'equilateral' triangles I can draw the reflection of a shape in a mirror line I am beginning to recognise the nets of a cone, cube, cuboid, triangular prism, triangular/square based pyramid			I know vertical, horizontal and congruent	
	Position and movement	I can recognise the shapes in Level 2b in different orientations			I can draw polygons in different orientations on a grid	I can complete a shape (eg rectangle) which has two sides drawn at an oblique angle on a grid	
		I can draw the reflection of a shape in a vertical/horizontal mirror line which is along the side of the shape	I can draw the reflection of a shape in a vertical/horizontal mirror line which does not touch the sides of the shape	I can reflect a shape in a diagonal mirror line which runs along the side of the shape	I can reflect a shape in a diagonal mirror line where the line does not touch the shape		
		I can give directions using left and right	I can give directions using clockwise and anti clockwise	I can give directions using 90 /quarter turns		I can translate a shape horizontally and vertically	I am beginning to rotate a shape about its centre or vertex
Measures	Measures	I can draw and measure lines to the nearest ½ cm	I can use km/ m/cm, kg/g, l/ml and I know which units to use	I can use km/ m/cm /mm, kg/g, l/ml and I know which units to use	I know and can use the units of measure in length, mass, capacity. I can use decimal notation (eg 3.06m =3m 6cm)		
		I can use m/cm, kg/g, l/ml and I know which measuring tool to use	I can read scales (eg 2, 10) to the nearest half division				I can measure accurately in mm
		I can tell the time to the nearest 5 minutes and calculate time durations that go over the hour	I can tell the time to the nearest minute	I can tell the time, know am/pm and I can calculate time intervals	I can use timetables and calendars I can use the 24 hour clock		
			I understand angle as a measure of turn and know 3600 is a whole turn	I can find the area of shapes by counting squares I am beginning to find the perimeter of squares and rectangles	I can find the perimeter of simple shapes (eg squares/rectangles)	I can calculate angles along a straight line I can draw and measure acute angles	I can draw and measure acute/obtuse angles I can find the area of a shape that can be divided into small squares (eg centimetre squares) by counting the squares/ part squares.
Data	Specifying the problem.				I can plan an investigation and know what data to collect	I can collect discrete data (eg record how many scores of 6 in fifty throws of the dice) and record in a frequency table	I can group data into equal class intervals
	Processing/representin	I can gather data to answer a question using a tally chart and frequency (totals) table	I can use a Venn /Carroll diagram using more than one criterion (eg right angles and equal sides)	I can construct a bar chart (eg scale of 2) and pictogram (eg one symbol represents 10)	I can calculate the median of a set of data	I can use Venn/Carroll diagrams using two criteria such as 'multiples of 8' and 'multiples of 6'	I can draw a line graph
	Interpreting	I can interpret a tally chart and frequency (totals) table	I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams	I understand 'certain' and 'impossible' in probability.	I understand 'certain', 'impossible', 'more likely', 'equally likely', 'fair', 'unfair' in probability.	I can interpret data in frequency tables	I can interpret data in line graphs with various scales