Meadgate Primary School Progression of Skills by Year Group
Maths

Year 4	
Place Value Counting	Can they count in multiples of 6, 7, 9, 25 and 1000? Can they count backwards through zero to include negative numbers?
Place Value Representing	Can they identify, represent and estimate numbers using different representations? Can they 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?
Place Value Use PV and Compare	Can they find 1000 more of less than a given number? Can they recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)? Can they order and compare numbers beyond 1000?
Place Value Problems and Rounding	Can they round any number to the nearest 10, 100 or 1000? Can they solve number and practical problems that involve all of the above and with increasingly large positive numbers?
Addition and Subtraction Recall, Represent, Use	Can they use inverse operations to check answers to a calculation?
Addition and Subtraction Calculations	Can they add and subtract numbers with up to three digits, using the formal written methods of columnar addition and subtraction, where appropriate?
Addition and Subtraction Solve Problems	Can they solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why?
Multiplication and Division Recall, Represent, Use	Can they recall multiplication and division facts for multiplication tables up to 12 x 12? Can they use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1, dividing by 1 and multiplying together three numbers? Can they recognise and use factor pairs and commutativity in mental calculations?
Multiplication and Division Calculations	Can they write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for three-digit numbers times one-digit numbers, using formal written layout?
Multiplication and Division Solve Problems	Can they solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects?

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Fractions Recognise and Write	Can they count up and down in hundredths: recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten?
Fractions Compare	Can they recognise and show, using diagrams, families of common equivalent fractions?
Fractions Calculations	Can they add and subtract fractions with the same denominator?
Fractions Solve Problems	Can they solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number?
Decimals Recognise and Write	Can they recognise and write decimal equivalents of any number of tenths or hundredths? Can they recognise and write decimal equivalents to ¼, ½, ¾?
Decimals Compare	Can they round decimals with one decimal place to the nearest whole number? Can they compare numbers with the same number of decimal places up to two decimal places?
Decimals Calculations and Problems	Can they find the effect of dividing a one-or-two-digit number by 10 or 100, identifying the value of the digits int the answers as ones, tenths and hundredths?
Fractions, Decimals and Percentages	Can they solve simple measure and money problems involving fractions and decimals to two decimal places?
Geometry 2D Shapes	Can they compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes? Can they identify line of symmetry in 2D shapes presented in different orientations?
Geometry Angles and Lines	Can they identify acute and obtuse angles and compare and order angles up to two right angles by size? Can they identify lines of symmetry in 2D shapes presented in different orientations? Can they complete a simple symmetric figure with respect to a specific line of symmetry?
Geometry Position and Direction	Can they describe positions on a 2D grid as coordinates in the first quadrant? Can they describe movements between positions as translations of a given unit to the left/right and up/down? Can they plot specific points and draw sides to complete a given polygon?

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Measurement Using Measures	Can they choose and use different units of measure (for example km to m; hour to minute)? Can they estimate, compare and calculate different measures?
Measurement Money	Can they estimate, compare and calculate different measures, including money in pounds and pence?
Measurement Time	Can they convert between analogue and digital 12-and-24-hour clocks? Can they solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days?
Measurement Perimeter, Area and Volume	Can they measure and calculate the perimeter of a rectangular figure (including squares) in centimetres and metres? Can they find the area of rectilinear shapes by counting squares?
Statistics Present and Interpret	Can they interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs?
Statistics Solve Problems	Can they solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs?