

### Level 4 Mathematic Descriptors

<b>4 Developing</b>	<b>4D</b>	Pupils can order numbers beyond 1000 and can find 1000 more or less than a given number. They can recognise the place value of each digit in a three-digit number. Children can add and subtract numbers up to three digits using appropriate written methods. They can rapidly recall multiplication facts for 3x and 4x tables. Pupils can begin to show, using diagrams, families of some equivalent fractions. They can also add and subtract fractions with the same denominator. Children can convert between simple units of measurement e.g. kg – g and km-m.
<b>4 Developing +</b>	<b>4D+</b>	Pupils can round to the nearest 10 and 100. They can begin to solve addition and subtraction 1-step problems in context, deciding on which operation and method is most appropriate. Children can also solve problems involving missing numbers. Pupils can begin to solve problems involving fractions to calculate quantities e.g. $\frac{1}{4}$ of 20 and can also recognise the decimal equivalent to $\frac{1}{2}$ . They are also able to explain what happens when a one or two-digit number is divided by 10. Pupils can also interpret data using appropriate graphical methods including bar charts with appropriate scales and intervals.
<b>4 Expected</b>	<b>4E</b>	Pupils count in multiples of 6, 9, 25 and 1000 and recognise the place value of each digit in a four-digit number. Children can begin to recall multiplication facts for 6x and 8x using their prior knowledge of 3x and 4x tables as well as their 9x table. They are confidently able to use the grid method to multiply two-digit numbers by one-digit numbers. Pupils can confidently recognise and show, using diagrams, families of equivalent fractions using small denominators. They can also count up and down in hundredths and recognise that hundredths arise when dividing an object by a hundred and when dividing tenths by ten. Children can begin to convert between different units of measure and can measure and calculate the perimeter of a rectangle.
<b>4 Expected +</b>	<b>4E+</b>	Pupils can use a number line to count backwards through 0 to include negative integers. They can read Roman Numerals up to 100 and can solve number and practical problems using appropriate methods. They can estimate answers to a calculation and can independently explain their reasoning. Children can also begin to solve addition and subtraction two-step problems in context, deciding which operations to use. They can also recognise and use factor pairs in mental calculations. Pupils can solve problems involving fractions to calculate quantities where answers are a whole number. They can also recognise the decimal equivalence to $\frac{1}{4}$ and begin to understand of any number of tenths and hundredths. Children can also explain the effect of dividing a one or two-digit number by ten or a hundred. They can also identify acute and obtuse angles.
<b>4 Advanced</b>	<b>4A</b>	Pupils can order and compare numbers beyond 1000 and can count backwards independently through zero to include negative numbers. They can round any number to the nearest 10, 100 and 1000 and can identify, represent and estimate numbers using different representations. Children can add and subtract numbers up to four-digits using appropriate written methods of addition and subtraction. Pupils can recall multiplication facts up to 12x12 and recognise and use factor pairs and commutativity in mental calculations. They can multiply three-digit numbers by a one-digit number using the grid method. They can also find the effect of dividing a one-digit or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. They can also recognise and write the decimal equivalent of $\frac{3}{4}$ and any number of tenths or hundredths. They can also calculate the area of rectilinear shapes by counting squares. Pupils can compare and classify geometric shapes including quadrilaterals and triangles based on their properties e.g. parallelogram, rhombus and trapezium.
<b>4 Advanced +</b>	<b>4A+</b>	Pupils can estimate and use inverse operations to check their answers to an addition or subtraction calculation and can solve two-step problems in context, deciding which operations to use. They can multiply four-digit numbers by a one-digit number using the grid method. Pupils can use place value, known and derived facts to multiply and divide mentally, including: multiplying by zero and one; dividing by one; multiplying three numbers together. They can compare numbers with the same number of decimal places up to two decimal places and can round decimals with one decimal place to the nearest whole number. They can also read, write and convert time between analogue and digital 12 and 24-hour clocks. Pupils can identify acute and obtuse angles and compare and order these by size. They can plot specified points and draw sides to complete a polygon and can describe movements between positions as translations of a given unit to the left/right and up/down.

## Level 4

### Reading Descriptors

<b>4 Developing</b>	<b>4D</b>	Pupils will be familiar with common starting blends, endings and common silent letters. They will recognise how meaning is created by word order, conjunctions, phrase length and punctuation. They will locate and use information from a range of sources and discuss why they like a particular author. They will be able to make simple inferences using clues in the text. Pupils will read aloud clearly and precisely, using intonation and awareness of pace.
<b>4 Developing +</b>	<b>4D+</b>	Pupils will also be able to make a set of key notes to help summarise what has been read. They can discuss texts which inform about different cultures, people and experiences.
<b>4 Expected</b>	<b>4E</b>	Pupils will be confident reading most words, using knowledge of spelling patterns to read new words. They will maintain fluency when reading complex sentences and recognise common abbreviations. They will be able to take notes based on their reading to gain new knowledge and distinguish between fact and opinion. They will draw information from different parts of a text to infer meaning and identify different types of character.
<b>4 Expected +</b>	<b>4E+</b>	Pupils will also be able to discuss an author's techniques to describe settings, characters and actions. They will be able to compare fictional and factual accounts of history.
<b>4 Advanced</b>	<b>4A</b>	Pupils will be able to recognise how some authors and poets use puns and figurative language for effect. They will be able to discuss different authors and evaluate their view point. When reading aloud, they will use pauses and body language to communicate their ideas.
<b>4 Advanced +</b>	<b>4A+</b>	They will also be able to discuss complex plots and have an appreciation for bias within news articles and advertisements. Pupils will be able to identify significant ideas and themes in their reading.

## Level 4

### Writing Descriptors

<b>4 Developing</b>	<b>4D</b>	Pupils will use a range of time and causal conjunctions. They will write grammatically correct sentences and check for sense. They will use exclamation marks, question marks, commas and apostrophes accurately.
<b>4 Developing +</b>	<b>4D+</b>	Pupils will also vary how they open sentences using fronted adverbials e.g. On the roof, the cat slept. They will spell most common multisyllable words correctly within their writing.
<b>4 Expected</b>	<b>4E</b>	Pupils will use appropriate and adventurous vocabulary to interest the reader and add detail. They will structure writing in paragraphs to order ideas or chronologically order an account. They will know how to write complex sentences using a subordinating clause e.g. When Cinderella ran away, she lost her slipper.
<b>4 Expected +</b>	<b>4E+</b>	Pupils will apply complex sentences to independent writing to add detail. They will spell most common spellings accurately and use known rules and patterns to spell unknown vocabulary.
<b>4 Advanced</b>	<b>4A</b>	Pupils will also use more advanced conjunctions e.g. although, however, nevertheless, despite, as well as. They will use correct verb forms to write in past, present and future tense. They can include descriptive devices such as similes and alliteration in their creative writing.
<b>4 Advanced +</b>	<b>4A+</b>	Pupils will also use speech marks accurately within writing and confidently use a dictionary or thesaurus to check spelling of unknown vocabulary.