# EYFS Development Matters (DM) Objectives \& NC Objectives 

Key concepts that create solid foundations in EYFS to build upon for the NC Objectives NC Objective appears elsewhere within the same topic progression document NC Objective also appears in another topic progression document

Rothersthorpe Primary School

| $\begin{gathered} \text { Reception } \\ 40-60+ \\ \text { mths } \end{gathered}$ | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
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| ELG: They solve $\qquad$ problems, including doubling, halving and sharing. | Count in multiples of twos, fives and tens. <br> (Number: Place Value NC Objective). | Count in steps of 2,3 , and 5 from 0 , and in tens from any number, forward or backward. <br> (Number: Place Value NC Objective). | Count from 0 in multiples of 4, 8, 50 and 100. <br> (Number: Place <br> Value NC Objective). | Count in multiples of 6, 7, 9, 25 and 1000. <br> (Number: Place Value NC Objective). | Count forwards or backwards in steps of powers of 10 for any given number up to 1 000000. <br> (Number: Place Value NC Objective). |  |
|  |  | Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. | Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables. | Recall multiplication and division facts for multiplication tables up to $12 \times 12$ |  |  |
| ELG: They solve $\qquad$ problems, including doubling, halving and sharing. | Solve one-step problems involving multiplication and division, calculating the answer using concrete |  | Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for | Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1 ; dividing by 1 ; multiplying together three numbers. | Multiply and divide numbers mentally drawing upon known facts. | Perform mental calculations, including with mixed operations and large numbers. |


|  | objects, <br> pictorial <br> representations <br> and arrays with <br> the support of <br> the teacher. <br> (Objective also <br> shown in <br> Problem <br> Solving). |  | two-digit numbers <br> times one-digit <br> numbers, using <br> mental and <br> progressing to <br> formal written <br> methods. <br> (Objective also <br> shown in Written <br> Methods). |  |  |
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|  |  |  |  | Divide numbers up to 3 digits by a one-digit number using the formal written method of short division including those with a remainder written as ' $r$ ' (This is not statutory until Year 5 but as a school we have decided this step to be necessary in this year group to support progression in this area through Y5 and Y6). | Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. | Divide numbers up to 4digits by a two-digit whole number using the formal written method of short division where appropriate for the context divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context. |
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|  |  |  |  |  |  | Use written division methods in cases where the answer has up to two decimal places (Fractions: using decimals NC Objective). |
|  |  |  |  | Recognise and use factor pairs and commutativity in mental calculations. (Objective also shown | Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. | Identify common factors, common multiples and prime numbers. |
|  |  |  |  |  | Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers. | simplify fractions; use common multiples to express fractions in the same denomination. |
|  |  |  |  |  | Establish whether a number up to 100 is prime and recall prime numbers up to 19 . | ( |
|  |  |  |  |  | Recognise and use square numbers and cube numbers, and the notation for squared. $\left(^{2}\right)$ and cubed ( ${ }^{3}$ ) | Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm cubed $\left(\mathrm{cm}^{3}\right)$ and cubic metres $\left(\mathrm{m}^{3}\right)$, |


|  |  |  |  |  | and extending to other units <br> such as mm ${ }^{3}$ and $\mathrm{km}^{3}$ <br> (Measures NC Objective). |  |
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|  |  |  |  | Use their knowledge of the <br> order of operations to carry <br> out calculations involving <br> the four operations. |  |  |
|  |  |  | Estimate the <br> answer to a <br> calculation and use <br> inverse operations <br> to check answers. <br>  <br> Subtraction NC <br> Objective). | Estimate and use <br> inverse operations to <br> check answers to a <br> calculation. <br> (Addition \& Subtraction <br> NC Objective). | Use estimation to check <br> answers to calculations and <br> determine, in the context of <br> a problem, levels of <br> accuracy. |  |

