Year 4

National Curriculum objectives (Statutory) **Ready to progress statements (Non-statutory: guidance)**

Autumn term 2022

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
Number: Number and place value **Y3:** WALT –represent numbers using different representations. **Y3**: WALT - recognise the place value of each digit in a three-digit number - order numbers up to 1000 WALT – read numbers up to 1000. **3NPV–1** Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10. **3NPV–2** Recognise the place value of each digit in three-digit numbers and compose and decompose three-digit numbers using standard and non-standard partitioning. *Y3 RAG July 22: - Represent numbers using different representations - Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) **3NPV–1** Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10. 3NPV–2 Recognise the place value of each digit in three-digit numbers and compose and decompose three-digit numbers using standard and non-standard partitioning.	**Number: Number and place value** **Y4:** WALT –represent numbers using different representations. **Y4**: WALT - recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) **Y4**: WALT –represent numbers using different representations (standard and non-standard partitioning) **4NPV–1** Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100. **4NPV–2** Recognise the place value of each digit in four-digit numbers and compose and decompose four-digit numbers using standard and non-standard partitioning.	**Number: Number and place value** **Y4**: WALT –represent numbers using different representations (standard and non-standard partitioning) **Y4**: WALT - find 1000 more or less than a given number **Y3**: WALT – order and compare numbers up to 1000 **Y4**: WALT – order and compare numbers beyond 1000 **4NPV–3** Reason about the location of any four-digit number in the linear number system *Y3 RAG July 22 Compare and order numbers up to 1000	**Number: Number and place value /Measures** **Y4:** WALT – order and compare numbers beyond 1000 **Y3:** WALT - measure and compare lengths (m/cm/mm); **Y4**: WALT - convert between different units of measure [for example, kilometre to metre] *Y3 RAG July 22 Measure and compare lengths (m/cm/mm);	**Measures** **Y4**: WALT - convert between different units of measure [for example, kilometre to metre] **Y4**: WALT - measure the perimeter of a rectilinear figure (including squares) in centimetres *Y3 RAG July 22 Measure the perimeter of simple 2-d shapes	**Number: Addition and Subtraction** **Y4**: WALT – add numbers mentally up to 4 digits. **Y4:** WALT – add numbers using the formal method of addition *Y3 RAG July 22: - Add and subtract numbers up to three digits using formal methods. - Estimate the answer to a calculation and use inverse operations to check answers. - Solve problems using addition and subtraction and place value **3AS–2** Add and subtract up to three-digit numbers using columnar methods. **3AS–3** Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition and understand the related property for subtraction.	**Number: Addition and Subtraction** **Y4**: WALT – subtract numbers mentally up to 4 digits. **Y4:** WALT – subtract numbers up to 4 digits (finding the difference) *Y3 RAG July 22: Add and subtract amounts of money to give change **3AS–1** Calculate complements to 100.

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
Number: Addition and Subtraction **Y4**: WALT - subtract numbers with up to 4 digits using the formal written methods of columnar subtraction where appropriate **Y4**: WALT - use inverse operations to check answers to a calculation **Y4** WALT - Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.(including giving change (**Y3**))	**Number: Multiplication and division** **Y4**: WALT – multiply 2 digit numbers by 10 and 100 **Y4**: WALT - use, known and derived facts to multiply mentally, including: multiplying together 3 numbers **4MD–1** Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. **4MD–3** Understand and apply the distributive property of multiplication. *Y3 RAG July 22: 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	**Number: Multiplication and division** **Y4**: WALT - recognise and use factor pairs and commutativity in mental calculations **Y4**: WALT - multiply two-digit and three-digit numbers by a one-digit number **4MD–2** Manipulate multiplication and division equations and understand and apply the commutative property of multiplication. *Y3 RAG July 22: Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	**Assessment week**	**Number: Multiplication and division** **Y4**: WALT - multiply two-digit and three-digit numbers by a one-digit number **Geometry: Properties of shapes** **Y4**: WALT – identify acute and obtuse angles **4G–2** Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal, and the angles are equal. Find the perimeter of regular and irregular polygons. *Y3 RAG July 22: Recognise angles as a property of shape or a description of a turn. Draw 2-D shapes and make 3-D shapes using modelling materials	**Geometry: Properties of shapes** **4G–2** Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal, and the angles are equal. Find the perimeter of regular and irregular polygons. *Y3 RAG July 22: 3G–1 Recognise right angles as a property of shape or a description of a turn and identify right angles in 2D shapes presented in different orientations. 3G–2 Draw polygons by joining marked points and identify parallel and perpendicular sides.	**Geometry: Properties of shapes /Christmas activities** **4G–3** Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.

Spring term 2022

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
Fractions: of an amount/ unit & non-unit fraction **Y3:** Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators **Y4**: 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 **3F–1** Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. **3F–2** Find unit fractions of quantities using known division facts (multiplication tables fluency). *Y3 RAG July 22: **3F–1** Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts **3F–2** Find unit fractions of quantities using known division facts (multiplication tables fluency).	**Fractions: add & subtract fractions with same denominator & equivalent fractions** **Y3:** WALT – Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] **Y4**: WALT - Add and subtract fractions with the same denominator **Y3**: WALT – Recognise and show, using diagrams, equivalent fractions with small denominators (RAG orange – Y3) **Y4**: WALT - Recognise and show, using diagrams, families of common equivalent fractions **3F–2** Find unit fractions of quantities using known division facts (multiplication tables fluency). *Y3 RAG July 22: **3F–3** Reason about the location of any fraction within 1 in the linear number system.	**Fractions: equivalent fractions** **Y4**: WALT –Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ **Y4**: WALT - Recognise and show, using diagrams, families of common equivalent fractions **Y3**: WALT –Compare and order unit fractions, and fractions with the same denominators **3F–3** Reason about the location of any fraction within 1 in the linear number system. *Y3 RAG July 22 **3F–3** Reason about the location of any fraction within 1 in the linear number system.	**Decimals: tenths and hundredths including decimal equivalents** **Y3:** WALT – 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 **Y4:** WALT - Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. **Y4**: WALT - Recognise and write decimal equivalents of any number of tenths or hundredths	**Decimals: compare and order & divide by 10 & 100** **Y4**: WALT - Compare numbers with the same number of decimal places up to two decimal places **Y4**: WALT - Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	**Decimals: rounding decimals & solving problems with money and measure** **Y4**: WALT – Round decimals with one decimal place to the nearest whole number **Y4:** WALT – Solve simple measure and money problems involving fractions and decimals to two decimal places.

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Measure: Money **Y3**: WALT - Add and subtract amounts of money to give change, using both £ and p in practical contexts (RAG – orange in Y3) **Y4:** WALT – Estimate, compare and calculate different measures, including money in pounds and pence	**Number: addition & subtraction** **Y4:** WALT - Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	**Number: addition & subtraction** **Y4:** WALT - Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	**Assessment**	**Statistics: discrete & continuous data** **Y3**: WALT - Interpret and present data using bar charts, pictograms and tables **Y4**: WALT - Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs.	**Statistics: solve problems with graphs** **Y4**: WALT - Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs. **Y4**: WALT – Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs