

KS2 Year 4		Term 1	Term 2	Term 3
Strand	NC Objective	Year 4	Year 4	Year 4
Number and Place Value	Count in multiples	(1) Count in multiples of 6,7,9,25,1000 (1) Compare and order numbers beyond 1000	(2) Count in multiples of 6,7,9,25,1000 (2) Compare and order numbers beyond 1000	(1,7) Count in multiples of 6,7,9,25,1000, (1,7) Compare and order numbers beyond 1000
	Read, write, order and compare numbers	(1) Find 1000 more or less than a given number (1) Recognise the place value or each digit in a four digit number (2) Read Roman numerals to 100 (I to C) and know that the numeral system changed to include the concept of zero and place value	(2) Find 1000 more or less than a given number (1,2) Recognise the place value or each digit in a four digit number (5) Read Roman numerals to 100 (I to C) and know that the numeral system changed to include the concept of zero and place value	(1,7) Find 1000 more or less than a given number (1,7) Recognise the place value or each digit in a four digit number (1,7) Read Roman numerals to 100 (I to C) and know that the numeral system changed to include the concept of zero and place value
Addition and subtraction	Identify, represent, round and estimate	(2) Represent numbers in different ways (2) Round to the nearest 10, 100 and 1000 (2) Count backwards through zero to include negative numbers	(5) Represent numbers in different ways (1,8) Round to the nearest 10, 100 and 1000 (1,8) Count backwards through zero to include negative numbers	(1,7) Represent numbers in different ways (1,7) Round to the nearest 10, 100 and 1000 (1,7) Count backwards through zero to include negative numbers
	Negative numbers Number Problems	(2) Solve number problems involving 4 digits, negative numbers and place value (3,4) Add and subtract up to 4-digits using formal written methods including column (4) Estimate an answer and give reasoning, use inverse to check the answers	(1,8) Solve number problems involving 4 digits, negative numbers and place value (1,8) Add and subtract up to 4-digits using formal written methods including column (1,8) Estimate an answer and give reasoning, use inverse to check the answers	(1,7) Solve number problems involving 4 digits, negative numbers and place value (2,8) Add and subtract up to 4-digits using formal written methods including column (2,8) Estimate an answer and give reasoning, use inverse to check the answers
Multiplication and division	Solve addition and subtraction problems	(4) Solve addition and subtraction missing numbers with increasing difficulty including 2-step problems (inc. ...)	(1,8) Solve addition and subtraction missing numbers with increasing difficulty including 2-step problems	(2,8) Solve addition and subtraction missing numbers with increasing difficulty including 2-step problems
	Mental multiplication and division Written multiplication and division Solve missing number problems	(5,6) Use place value and know facts to multiply and divide mentally (5,6) Recognise and use factor pairs in mental calculations (5,6) Multiply 2-digit and 3-digit by a 1-digit number using formal written layout. (5,6) Solve missing number multiplication and division problems (inc. integer scaling and correspondence)	(2,9) Use place value and know facts to multiply and divide mentally (2,9) Recognise and use factor pairs in mental calculations (2,9) Multiply 2-digit and 3-digit by a 1-digit number using formal written layout. (2,9) Solve missing number multiplication and division problems (inc. integer scaling and correspondence)	(3,9) Use place value and know facts to multiply and divide mentally (3,9) Recognise and use factor pairs in mental calculations (3,9) Multiply 2-digit and 3-digit by a 1-digit number using formal written layout. (3,9) Solve missing number multiplication and division problems (inc. integer scaling and correspondence)
Fractions	Recognise, find, write and name a fraction Equivalent Fractions Comparing and ordering Add and subtracting fractions Fraction/decimal equivalence	(12) Count up and down in hundredths (say that hundredths arise from dividing into 100 equal parts) (12) Recognise, find and write fractions of a set of objects and numbers (12) Recognise and show (using diagrams) equivalent fractions with small denominators (13) Add and subtract fractions with the same denominator (13) Recognise and write 1/4, 1/2, 3/4 as decimals (13) Write any fraction of tenths as hundredths as a decimal	(5) Count up and down in hundredths (say that hundredths arise from dividing into 100 equal parts) (5) Recognise, find and write fractions of a set of objects and numbers (10) Recognise and show (using diagrams) equivalent fractions with small denominators (10) Add and subtract fractions with the same denominator (10) Recognise and write 1/4, 1/2, 3/4 as decimals (10) Write any fraction of tenths as hundredths as a decimal	(4) Count up and down in hundredths (say that hundredths arise from dividing into 100 equal parts) (4) Recognise, find and write fractions of a set of objects and numbers (4) Recognise and show (using diagrams) equivalent fractions with small denominators (4) Add and subtract fractions with the same denominator (4) Recognise and write 1/4, 1/2, 3/4 as decimals (4) Write any fraction of tenths as hundredths as a decimal
	Rounding decimals Compare and order decimals Multiply/Divide decimals Solve fraction/decimal problems	(13) Round decimals with 1 decimal place to the whole number (13) Compare and order numbers with the same number of decimal places (13) Find the effect of dividing a 1 or 2-digit number by 10 or 100, writing as a decimal (13) Solve increasing difficult fraction problems (8) Solve money problems to 2 decimal places	(10) Round decimals with 1 decimal place to the whole number (10) Compare and order numbers with the same number of decimal places (10) Find the effect of dividing a 1 or 2-digit number by 10 or 100, writing as a decimal (5,10) Solve increasing difficult fraction problems (12) Solve money problems to 2 decimal places	(4) Round decimals with 1 decimal place to the whole number (4) Compare and order numbers with the same number of decimal places (4) Find the effect of dividing a 1 or 2-digit number by 10 or 100, writing as a decimal (4) Solve increasing difficult fraction problems (2,5) Solve money problems to 2 decimal places
Measurement	Compare describe and order Estimate, measure and read scales Money Time Convert units of measurement Shape: perimeter and area Solve measure word problems	(8) Compare lengths (m,cm,mm) (8) Compare mass (g,kg) (8) Compare volume (L,ml) (8) Measure lengths (m,cm,mm) (8) Measure mass (g,kg) (8) Measure volume (L,ml) (8) Record time in seconds (10) Add and subtract money in pounds and pence (14) Read and write time on an analogue clock (12 hours) convert to digital (14) Read and write time on an analogue clock (24 hours) convert to digital (14) Apply knowledge of roman numerals within a clock (14) Solve time problems involving converting from hours to minutes (14) Know the number of seconds in a minute, days in each month, months in year and leap year (14) Compare duration of events within word problems (8) Convert between units of measure (g to kg, m to km, hour to minute) (9) Measure and calculate the perimeter of rectilinear shapes in cm and mm (9) Find the area of a rectilinear shape by counting squares (10) Add and subtract money to give change including practically (10) Add and subtract lengths (m,cm,mm) (10) Add and subtract mass (kg,g) (10) Add and subtract volume/capacity (L,ml)	(12) Compare lengths (m, cm, mm) (12) Compare mass (g, kg) (12) Compare volume (L, ml) (12) Measure lengths (m, cm, mm) (12) Measure mass (g, kg) (12) Measure volume (L, ml) (12) Record time in seconds (12) Add and subtract money in pounds and pence (7) Read and write time on an analogue clock (12 hours) convert to digital (7) Read and write time on an analogue clock (24 hours) convert to digital (7) Apply knowledge of roman numerals within a clock (7) Solve time problems involving converting from hours to minutes (7) Know the number of seconds in a minute, days in each month, months in year and leap year (7) Compare duration of events within word problems (12) Convert between units of measure (g to kg, m to km, hour to minute) (4) Measure and calculate the perimeter of rectilinear shapes in cm and mm (4) Find the area of a rectilinear shape by counting squares (8) Add and subtract money to give change including practically (8) Add and subtract lengths (m, cm, mm) (8) Add and subtract mass (kg, g) (8) Add and subtract volume/capacity (L, ml)	(2,5) Compare lengths (m, cm, mm) (2) Compare mass (g, kg) (2) Compare volume (L, ml) (2,5) Measure lengths (m, cm, mm) (2) Measure mass (g, kg) (2) Measure volume (L, ml) (2) Record time in seconds (2) Add and subtract money in pounds and pence (10) Read and write time on an analogue clock (12 hours) convert to digital (10) Read and write time on an analogue clock (24 hours) convert to digital (10) Apply knowledge of roman numerals within a clock (10) Solve time problems involving converting from hours to minutes (10) Know the number of seconds in a minute, days in each month, months in year and leap year (10) Compare duration of events within word problems (10) Convert between units of measure (g to kg, m to km, hour to minute) (5) Measure and calculate the perimeter of rectilinear shapes in cm and mm (5) Find the area of a rectilinear shape by counting squares (2,8) Add and subtract money to give change including practically (2,8) Add and subtract lengths (m, cm, mm) (2,8) Add and subtract mass (kg, g) (2,8) Add and subtract volume/capacity (L, ml)
	Shape: Recognise and name Describe properties and classify shapes Draw and plot shapes	(9) Recognise and name all 2D and 3D shapes, recalling features of shapes. (9) Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties (9) Identify lines of symmetry in 2D shapes (9) Complete a simple symmetric figure with respect to a given line of symmetry	(4) Recognise and name all 2D and 3D shapes, recalling features of shapes. (3) Interpret and classify geometric shapes, including quadrilaterals and triangles based on their properties (4) Identify lines of symmetry in 2D shapes (4) Complete a simple symmetric figure with respect to a given line of symmetry	(12) Recognise and name all 2D and 3D shapes, recalling features of shapes. (12) Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties (12) Identify lines of symmetry in 2D shapes (12) Complete a simple symmetric figure with respect to a given line of symmetry
Geometry	Angles - Measure and properties Pattern Position and direction Data: interpret, represent and solve	(9) Identify acute and obtuse angles (9) Combine 2 angles to make a new angle (within 180) (9) Compare and order angles up to 180° (11) Recognise and repeat patterns of objects, pictures and numbers (11) Describe movements between position (11) Describe positions on a 2D grid as co-ordinates (11) Plot specified points and draw sides to complete a polygon (11) Interpret and present discrete and continuous data using bar charts, pictograms and tables and time graphs (11) Solve comparison, sum and difference of presented data	(4) Identify acute and obtuse angles (4) Combine 2 angles to make a new angle (within 180) (4) Compare and order angles up to 180° (3) Recognise and repeat patterns of objects, pictures and numbers (3) Describe movements between position (3) Describe positions on a 2D grid as co-ordinates (3) Plot specified points and draw sides to complete a polygon (3) Interpret and present discrete and continuous data using bar charts, pictograms and tables and time graphs (3) Solve comparison, sum and difference of presented data	(12) Identify acute and obtuse angles (12) Combine 2 angles to make a new angle (within 180) (12) Compare and order angles up to 180° (11) Recognise and repeat patterns of objects, pictures and numbers (11) Describe movements between position (11) Describe positions on a 2D grid as co-ordinates (11) Plot specified points and draw sides to complete a polygon (11) Interpret and present discrete and continuous data using bar charts, pictograms and tables and time graphs (11) Solve comparison, sum and difference of presented data
	Mental addition and subtraction	(2) Add and subtract a 3-digit and 1-digit (2) Add and subtract 3-digit with tens (2) Add and subtract 3 digit with hundreds (3) Recall multiplication and division facts for the 2, 5 and 10 times table (4) Recall multiplication facts for the 4 times table, relate to division facts (5) Recall multiplication facts for the 3 times table, relate to division facts (6) Recall multiplication facts for the 6 times table, relate to division facts (7) Recall multiplication facts for the 9 times table, relate to division facts (8) Recall multiplication facts for the 8 times table, relate to division facts (9) Recall multiplication facts for the 7 times table, relate to division facts (10) Recall multiplication facts for the 11 times table, relate to division facts (11) Recall multiplication facts for the 12 times table, relate to division facts (12, 13, 14) Recall all known multiplication facts	(1) Add and subtract 3-digit with tens (1) Add and subtract 3 digit with hundreds (2) Recall multiplication and division facts for the 2, 5 and 10 times table (3) Recall multiplication facts for the 4 times table, relate to division facts (4) Recall multiplication facts for the 3 times table, relate to division facts (5) Recall multiplication facts for the 6 times table, relate to division facts (6) Recall multiplication facts for the 9 times table, relate to division facts (7) Recall multiplication facts for the 8 times table, relate to division facts (8) Recall multiplication facts for the 7 times table, relate to division facts (9) Recall multiplication facts for the 11 times table, relate to division facts (10) Recall multiplication facts for the 12 times table, relate to division facts (11,12) Recall all known multiplication facts	(1) Add and subtract 3-digit and 1-digit (2) Add and subtract 3-digit with tens (2) Add and subtract 3 digit with hundreds (1) Recall multiplication and division facts for the 2, 5 and 10 times table (3) Recall multiplication facts for the 4 times table, relate to division facts (4) Recall multiplication facts for the 3 times table, relate to division facts (5) Recall multiplication facts for the 6 times table, relate to division facts (6) Recall multiplication facts for the 9 times table, relate to division facts (7) Recall multiplication facts for the 8 times table, relate to division facts (8) Recall multiplication facts for the 7 times table, relate to division facts (9) Recall multiplication facts for the 11 times table, relate to division facts (10,11,12) Recall all known multiplication facts
Ensure understanding and fluency of taught concepts	Week 7 (White rose), Week 12 (NFER)	Week 6 (White rose), Week 11 (NFER)	Week 6 (White rose), Week 15 (NFER), JUNE (Multiplication test)	