W/B	Focus Area	Year 3 Objectives	Year 4 Objectives
04.01.16	Recap addition and subtraction strategies – to include problem solving	Add and subtract numbers mentally, including: • A three-digit number and ones • A three-digit number and tens • A three-digit number and hundreds Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Estimate the answer to a calculation and use inverse operations to check answers Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	Add and subtract numbers mentally, including: • A three-digit number and ones • A three-digit number and tens • A three-digit number and hundreds Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why
11.01.16	Recap multiplication and division strategies – to include problem solving	Count from 0 in multiples of 4, 8, 50 and 100 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables 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	Count in multiples of 6, 7, 9, 25 and 1000 Recall multiplication and division facts for multiplication tables up to 12x12 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

			Estimate the answer to a calculation and use inverse operations to check answers 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	Recognise and use factor pairs and commutativity in mental calculations Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Recognise and use factor pairs and commutativity in mental calculations Estimate and use inverse operations to check answers to a calculation Solve problems involving multiplying and adding, including 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
18.01.16	Statistics / data handling		Interpret and present data using bar charts, pictograms and tables Solve one-step and two step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Spring 1 Weekly Planning

Most able Year 4 pupils to refer to Year 5 objectives.

SEN pupils include Year 2 objectives where appropriate

All focus areas to include problem solving

REFER TO EXEMPLIFICATION

| 25.01.16 | Decimals – to include money | 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

Add and subtract amounts of money to give change, using both £ and p in practical contexts | Count up and down in hundredths

Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by
Ten

Compare numbers with the same number of decimal places up to two decimal places

Round decimals with one decimal place to the nearest whole number

Recognise and write decimal equivalents of any number of tenths or hundredths

Recognise and write decimal equivalents to ½, ¼ and ¾

Solve simple measure and money problems involving fractions and decimals to two
decimal places

Estimate, compare and calculate different measures, including money in pounds and pence |
| 01.02.16 | Measures (cm / m, g / kg, ml / L) | Measure, compare, add and subtract: lengths (m/cm/mm);mass (kg/g); volume/capacity (l/ml) | Convert between different units of measure (e.g. kilometre to metre; hour to minute)

Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to |

Spring 1 Weekly Planning

Most able Year 4 pupils to refer to Year 5 objectives.

SEN pupils include Year 2 objectives where appropriate

All focus areas to include problem solving

REFER TO EXEMPLIFICATION

			days
08.02.16	Geometry – position and direction	Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise) Order and arrange combinations of mathematical objects in patterns and sequences	Describe positions on a 2-D grid as co-ordinates in the first quadrant Describe movements between positions as translations of a given unit to the left/right and up/down Plot specified points and draw sides to complete a given polygon