Autumn 2 Weekly Maths focus

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

W/B	Focus Area	Year 3 Objectives	Year 4 Objectives
2nd Nov	Fractions	Count up and down in tenths. Recognise, find and write fractions of a discrete set of objects: unit fractions and non- unit fractions with small denominators. Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10.	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. Recognise and show, using diagrams, families of common equivalent fractions. Add and subtract fractions with the same denominator. 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.
9th Nov	Decimals and Fractions	Recognise and use fractions as numbers: unit fractions and non unit fractions with small denominators. Compare and order unit fractions, and fractions with the same denominators. Recognise and show, using diagrams, equivalent fractions	Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to 1/4; 1/2; ¾. 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 units, tenths and hundredths.

		with small denominators. Add and subtract fractions with the same denominator within one whole. Solve problems that involve all of the above.	Round decimals with one decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to two decimal places. Solve simple measure and money problems involving fractions and decimals to two decimal places.
16th Nov	Geometry	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.
23rd Nov	Measures	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Measure the perimeter of simple 2-D shapes.	Convert between different units of measure (e.g. kilometre to metre; hour to minute). Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Find the area of rectilinear shapes by counting.

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30th Nov	Measures (Application of Money)	Add and subtract amounts of money to give change, using both £ and p in practical contexts.	Estimate, compare and calculate different measures, including money in pounds and pence.
7th Dec	Measures (Time)	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight. Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events, for example to calculate the time taken by particular events or tasks.	Read, write and convert time between analogue and digital 12 and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
14th Dec	Data	Interpret and present data using bar charts, pictograms and tables. S1olve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.	Interpret and present discrete data using bar charts and continuous data using line graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs.