Oakfield Primary School - Maths – Summer Term

EYFS: Rehearsal of the fact that teen numbers are made of 10 and some more, common 2D and 3D shapes, double numbers and halve even numbers, counting in 2s, 5s and 10s, revisit the days of the week,how we measure time in different ways, recognise o'clock times on analogue and digital clocks and match these to key events in their daily routine and in stories, counting on and back, finding one more and one less, revise and learn coins, explore measures: lengths, weights and capacities, partition five, six and ten objects into two groups.					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
.**Place value** Week 21 consolidating understanding of 2-digit numbers, representing these in different ways, and partitioning into 10s and 1s. **Addition and subtraction** Weeks 22 and 23 revision of number facts and using these to solve additions and subtractions involving 1- and 2-digit numbers. **Measures** Week 24 weight and capacity, comparing and using uniform non-standard units to measure both; information is recorded in block graphs for ease and clarity. **Fractions; money** Week 25 doubling and halving numbers, and recognising halves and quarters of shapes; and on recognising coins and solving money problems. **Place value** Week 26 rehearsing place value in 2-digit numbers.	**Place value** Week 21 securing a robust understanding of place value, including adding and subtracting 2-digit numbers by counting on/back in 10s and 1s. **Addition and subtraction** Weeks 22 and 23 using number facts to solve additions and subtractions, including adding several numbers and counting up using complements to the next multiple of 10 to find a difference **Measures; statistics and data** Week 24 using non-standard and standard units to measure and compare weights and capacities; and on using this context to revise the use of block graphs. **Multiplication, division and fractions** Week 25 doubling and halving as inverse operations, and relates	**Addition and subtraction** Week 21 securing understanding of addition and subtraction and rehearsing sound mental strategies, extending to adding and subtracting fractions. **Multiplication and division** Weeks 22 and 23 developing understanding and skills in multiplication and division, including using tables facts to solve scaling problems, multiplications using the grid method, and divisions using chunking. **Statistics and data; weight** Week 24 drawing and interpreting pictograms and bar graphs with different scales, and on using these to record and analyse data in the context of measuring weights. **Addition and subtraction** Weeks 25, 26 and 27 mental and written addition and subtraction, including mental strategies, column addition,	**Place value and decimals** Weeks 21 and 22 consolidating place value in 4- and 5-digit numbers, extending to decimals; including multiplying and dividing by 10 and 100, placing numbers (including negative) on lines, and adding and subtracting powers of 10. **Place value and decimals** Weeks 21 and 22 consolidating place value in 4- and 5-digit numbers, extending to decimals; including multiplying and dividing by 10 and 100, placing numbers (including negative) on lines, and adding and subtracting powers of 10. **Multiplication and division** Week 23 extending knowledge of times tables, using this to develop understanding of harder written multiplication algorithms; and on division as the inverse of	**Addition and subtraction** Week 21 adding and subtracting numbers in the context of money and contextual problems. **Fractions; multiplication** Week 22 multiplying and converting fractions; and on short and long multiplication of whole numbers. **Place value and decimals** Week 23 place value in decimals, including multiplying and dividing by 10 and 100. **Coordinate geometry; 2D and 3D shapes** Week 24 plotting, reflecting and translating shapes on coordinate grids; and on extending understanding of properties of 2D and 3D shapes. **Addition and subtraction** Week 25 written methods of addition and subtraction, and choosing efficient strategies to solve problems. **Multiplication and division**	**Multiplication and division** Week 21 the use of written algorithms in multiplying and dividing large numbers; both long and short versions of these methods are taught. **Algebra; ratio** Week 22 the use of generalisations and simple formula, including to find the nth term in a sequence; then moves on to ratio. **Revision: place value and decimals** Week 23 revision of place value in large numbers and in decimal fractions. **Revision** Week 24 revision of: mental and written strategies in addition and subtraction; finding percentages; order of operations; and finding unknowns in equations. **Revision: multiplication and division** Weeks 25 and 26 revision of: written algorithms for multiplication and division and mental strategies

Multiplication and division Week 27 identifying patterns in multiples of 2, 5 and 10, and relating counting in 2s to doubling and halving. **Time; measures; 2D shapes** Week 28 telling the time to the quarter hour; on measuring lengths, recording information in pictograms and block graphs; and on repeating patterns using 2D shapes. **Addition and subtraction** Week 29 using number facts to solve additions and subtractions involving 1- and 2-digit numbers and finding change. **Place value; multiplication** Week 30 consolidating understanding of 2-digit numbers; and on exploring patterns in multiples of 2, 5 and 10.	division to fractions, including finding halves, quarters and thirds of amounts. **Addition and subtraction; money** Week 26 mental addition and subtraction strategies, using number facts and place value; and on using £.p notation and solving money problems. **Multiplication and division** Week 27 relating multiplication and division to 'clever counting' (steps of 2, 3, 5, 10), understanding multiplication as arrays, and solving divisions as missing number problems **Length; time** Week 28 estimating and measuring lengths in cm; and on telling the time to 5 minutes. **Addition and subtraction; multiplication and division** Week 29 adding by partitioning; finding differences; and on multiplying and dividing by counting in steps. **Place value** Week 30 revising place value in 2-digit numbers, and extending to place value in 3-digit numbers.	subtracting by counting up, and choosing appropriate methods to solve problems. **Addition and subtraction** Weeks 25, 26 and 27 mental and written addition and subtraction, including mental strategies, column addition, subtracting by counting up, and choosing appropriate methods to solve problems. **2D shapes; time** Week 28 developing understanding and vocabulary of shape and angle, including measuring perimeters; and on telling the time 5, 10, 20 minutes later using am/pm and 24-hour clock. **Multiplication and division;** fractions Week 29 consolidating written multiplication and division strategies, securing understanding of the relation between division and fractions, and moving to finding tenths of amounts. **Revision** Week 30 rehearsing and consolidating mental and written calculation skills in addition, subtraction, multiplication and division.	multiplication. **Area and perimeter; 2D and 3D shapes** Week 24 calculating perimeters and areas of shapes, and on properties of 2D and 3D shapes. **Fractions and decimals** Week 25 developing and enhancing the concept of decimal number, including relating decimal fractions to proper fractions and recognising equivalents. **Addition and subtraction; multiplication and division** Week 26 adding and subtracting 2-, 3- and 4-digit numbers; and on using knowledge of factors, products and doubling to solve multiplication problems mentally. **Addition and subtraction** Week 27 addition and subtraction using written column methods. **Coordinate geometry; statistics and data** Week 28 using coordinate grids; and developing that understanding to draw line graphs and know that intermediate points have meaning. **Multiplication and division; fractions** Weeks 29 and 30 enhancing	**and fractions** Weeks 26 and 27 factors and multiples; securing the concept of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division. **Multiplication and division and fractions** Weeks 26 and 27 factors and multiples; on securing the concept of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division. **Area and perimeter; volume** Week 28 calculating areas, perimeters and volumes, and understanding the difference between measurement in one, two and three dimensions. **Fractions, decimals and percentages** Week 29 understanding percentages and how they relate to fractions and decimals, and solving problems by finding percentages of amounts. **Revision** Week 30 revision of: line graphs; calculating time intervals; finding cubes of	including the use of factors; finding fractions of amounts; and calculating mean average. **Revision: multiplication and division** Weeks 25 and 26 revision of: written algorithms for multiplication and division and mental strategies including the use of factors; finding fractions of amounts; and calculating mean average. Revision: **fractions; ratio** Week 27 revision of: equivalence in fractions; and using this to add, subtract, multiply and divide fractions; and solving ratio problems. **Revision** Week 28 revision of: properties of 2D shapes; angle types and theorems; perimeter, area and volume; 24-hour clock time intervals; and tables, graphs and charts. **Further mathematical ideas** Weeks 29 and 30 exploration of a variety of interesting mathematical concepts and processes, including binary numbers and Napier's bones; playing with numbers, discovering patterns and solving mathematical puzzles.

			mental and written strategies for multiplication and division; and link this to unit and non-unit fractions and the decimal results of dividing by 10 and 100. **Multiplication and division; fractions** Weeks 29 and 30 enhancing mental and written strategies for multiplication and division; and link this to unit and non-unit fractions and the decimal results of dividing by 10 and 100.	numbers; using factors to multiply; and solving scaling problems involving fractions and measures.	