Half Term Overview: Maths: Year 5 Summer 2 2022: Time Zone

Week	Learning Objectives	Key Outcomes
1	**Consolidation: Addition and Subtraction** To practise, consolidate and apply written methods for addition and subtraction. To apply reasoning to solve multi-step problems. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can add and subtract whole numbers with more than 4 digits using formal written methods of column addition and subtraction. I can solve addition and subtraction multi-step problems in contexts, deciding which methods to use and why. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.
2	**Consolidation: Multiplication** To practise, consolidate and apply written methods for multiplication. To apply reasoning to solve multi-step problems. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can multiply numbers up to 4 digits by a one-digit number, using the formal written method of short multiplication. I can multiply numbers up to 4 digits by a two-digit numbers, using the formal written method of long multiplication. I can solve multi-step problems involving multiplication. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.
3	**Consolidation: Division** To practise, consolidate and apply written methods for division. To apply reasoning to solve multi-step problems. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can divide numbers up to 4 digits by a one-digit number, using the formal written method of short division. I can solve multi-step problems involving division. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.

4	**Consolidation: Fractions** To use, consolidate and apply understanding of equivalent fractions, mixed numbers and improper fractions. To apply reasoning to solve problems finding fractions of a quantity. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can identify, name and write equivalent fractions I can convert between mixed numbers and improper fractions and vice versa. I can find fractions of numbers and quantities. I can apply my fractions knowledge in a range of problems. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.
5	**Consolidation: Fractions** To use, consolidate and apply understanding of adding, subtracting and multiplying fractions. To apply reasoning to solve fractions problems. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I add and subtract fractions with denominators that are multiples of the same number, extending to calculations that exceed 1 as a mixed number. I can multiply proper fractions and mixed numbers by whole numbers. I can apply my fractions knowledge in a range of problems. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.
6	**Consolidation: Decimals and Percentages** To use, consolidate and apply understanding of decimals and percentages. To apply reasoning to solve problems. **Times Tables Fluency** To practise, consolidate and apply times tables knowledge. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can recognise and use decimal numbers up to three decimal places. I can understand and use percentages. I can read and write decimal numbers as fractions and percentages. I can apply my decimals/percentages knowledge in a range of problems. I can fluently recall and use multiplication and division facts for multiplication tables up to 12 × 12. I can apply my mathematical understanding to explore problem-solving investigations.
7	**Reasoning and Problem Solving** To undertake problem-solving investigations.	I can apply my mathematical understanding to explore problem-solving investigations.