Half Term Overview: Maths: Year 6   Summer 2 2022: Time Zone

Week	Learning Objectives	Key Outcomes
1	**Ratio** To understand and use the language of ratio. To compare ratio with fractions. To understand and use the ratio symbol. To calculate ratios. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can use the language of ratio to describe how one value is related to another. I can calculate the ratios between two values. I solve problems involving the relative sizes of two quantities where the missing values can be found by using multiplication and division facts. I can apply my mathematical understanding to explore problem-solving investigations.
2	**Ratio** To understand and use scale factors. To calculate with scale factors. To solve ratio and proportion problems. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can solve problems involving similar shapes where the scale factor is known or can be found. I can solve problems using ratio relationships. I can solve problems with two unknowns. I can apply my mathematical understanding to explore problem-solving investigations.
3	**Algebra** To explore 1 and 2 step functions and find the rules. To introduce and use algebraic expressions and conventions. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I generate and describe simple number sequences. I generate and describe linear number sequences. I can write algebraic expressions. I express missing number problems algebraically. I can apply my mathematical understanding to explore problem-solving investigations.

4	**Algebra** To substitute into simple expressions to find a value. To use and substitute into simple formulae. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can substitute into expressions to find a value. I can use simple formulae. I can apply my mathematical understanding to explore problem-solving investigations.
5	**Algebra** To use algebraic notation to form one-step equations. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can use algebraic notation to write one-step equations. I can apply my mathematical understanding to explore problem-solving investigations.
6	**Algebra** To solve one-step equations. **Reasoning and Problem Solving** To undertake problem-solving investigations.	I can find numbers to satisfy an equation. I am starting to find pairs of numbers that satisfy an equation with two unknowns. 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.