

### Time Zone (Y5/6) Maths Summary Autumn 2 2020

<b>Maths</b>	<b>Learning Objectives</b>	<b>Key Outcomes</b>
<b><u>Week 1</u></b>	<i>Short and long division Order of operations</i>	Y5: I am beginning to divide numbers up to 4 digits by a one-digit number, using the formal written method of short division. Y5: I am beginning to explore the order of operations, using brackets. Y6: I can divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division. Y6: I use my knowledge of the order of operations (BODMAS) to carry out calculations and solve problems.
<b><u>Week 2</u></b>	<i>Equivalent fractions and simplifying fractions</i>	Year 5: I continue to recognise and show, using diagrams, common equivalent fractions. I can identify, name and write equivalent fractions, represented visually, including tenths and hundredths. I can use representations of my own to explain equivalent fractions. Year 6: I can use common multiples to express fractions in the same denominator. I can use common factors to simplify fractions.
<b><u>Week 3</u></b>	<i>Improper fractions and mixed numbers</i>	Year 5 and Year 6 RECAP: I recognise mixed numbers. I recognise improper fractions. I can convert between mixed numbers and improper fractions and vice versa.
<b><u>Week 4</u></b>	<i>Fractions on a number line, compare and order fractions</i>	Year 5: I can compare and order fractions whose denominators are all multiples of the same number. Year 6: I compare and order fractions, including fractions $>1$ . I compare and order a greater range of fractions, including fractions $>1$ , explaining my methods clearly.
<b><u>Week 5</u></b>	<i>Addition and subtraction of fractions</i>	Year 5: I add and subtract fractions with the same denominator. I add and subtract fractions with denominators that are multiples of the same number, extending to calculations that exceed 1 as a mixed number. Year 6: I am continuing to add and subtract fractions with the same denominator. I am continuing to add and subtract fractions with denominators of the same multiple. I am beginning to add and subtract fractions with different denominators. I am starting to add and subtract mixed numbers, using the concept of equivalent fractions.
<b><u>Week 6</u></b>	<i>Multiplication and division of fractions</i>	Year 5: I can multiply and divide proper fractions by whole numbers, when supported by manipulatives. I can multiply and divide mixed numbers by whole numbers, when supported by manipulatives. Year 6: I multiply and divide simple pairs of proper fractions, writing the answer in its simplest form. I can multiply a fraction by a whole number, demonstrating my understanding with the use of different representations.
<b><u>Week 7</u></b>	<i>Fractions of an amount</i>	Year 5: I continue to develop an understanding of fractions, as numbers, measure and operators by finding fractions of numbers and quantities. Year 6: I have a growing understanding of the relationship between fractions and divisi