

## Year 6 Home Learning – Mathematics – Autumn 1

<b>Home learning weekly practice</b>	<p><b>Autumn 1: Learning at school (concepts taught approximately plotted)</b>                  On <b>Thursday</b> children will take home their Maths practise journal. The children are expected to complete and return this to their teacher by the following <b>Tuesday</b>.</p>
<b>Week 1</b> pages 3-6	<p><b>Number – number and place value (Unit 1: Place value within 10,000,000)</b></p> <ul style="list-style-type: none"> <li>Learn about the place value in numbers to 10,000,000</li> <li>Partition numbers and solve problems in real-life contexts</li> <li>Deepen their understanding of the key place value units: 10s, 100s, and 1,000s</li> <li>Identify and estimate where numbers up to 10,000,000 lie on a number line</li> </ul>
<b>Week 2</b> pages 7-9	<p><b>Number – number and place value (Unit 1: Place value within 01,000,000)</b></p> <ul style="list-style-type: none"> <li>Use understanding of place value and numbers up to 10,000,000 to compare and order numbers</li> <li>Round numbers up to 10,000,000</li> <li>Learn about negative numbers and use negative numbers in context</li> </ul>
<b>Week 3</b> pages 10-11	<p><b>Number – Calculations (Unit 2: Four operations (1))</b></p> <ul style="list-style-type: none"> <li>Column addition and subtraction</li> <li>Addition and subtraction problems</li> <li>Find common factors and multiples</li> </ul>
<b>Week 4</b> pages 12-13	<p><b>Number – Calculations (Unit 2: Four operations (1))</b></p> <ul style="list-style-type: none"> <li>Learn to recognise the properties of numbers that can be used to deduce their divisibility by 2, 3, 5 and other factors</li> <li>Identify prime numbers to 100</li> <li>Identify square and cube numbers</li> </ul>
<b>Week 5</b> pages 14-16	<p><b>Number – Calculations (Unit 3: Four operations (2))</b></p> <ul style="list-style-type: none"> <li>Develop their understanding of the multiplication of 4-digit numbers by 1-digit numbers and four digits by 2-digit numbers</li> <li>Learn to use a written short division method</li> </ul>
<b>Week 6</b> pages 17-19	<p><b>Number – Calculations (Unit 3: Four operations (2))</b></p> <ul style="list-style-type: none"> <li>Divide a 3-digit and a 4-digit number by a 2-digit number (long division)</li> <li>Develop their understanding of division with remainders</li> <li>Learn the correct order of operations and use this to help solve multi-step calculations</li> </ul>
<b>Week 7</b> pages 20-22	<b>Assessment Week</b>
<b>Week 8</b> pages 23-25	<p><b>Number – Calculations (Unit 3: Four operations (2))</b></p> <ul style="list-style-type: none"> <li>Investigate what effect brackets can have on a calculation</li> <li>Learn efficient mental methods for solving calculations</li> </ul>

### Autumn 1 - Home learning - Daily Practice

To support your learning in school, please practise the following skills on a daily basis:

- Multiplication and division facts up to 12x12
- Telling the time (analogue and digital) and solving problems  
 e.g. If it takes 36 minutes to walk to school and Lucy arrives at 8:24am, what time did she leave?



Ongoing practising of times tables is expected from Year 2-6. Children are expected to complete **30 minutes of TTRS** per week at home. Minutes will be checked each **Thursday**.

*Expectations from the National Curriculum are as follows:  
 by the end of Year 2, children should know their 2x, 5x and 10x tables;  
 by the end of Year 3, children should also their 3x, 4x and 8x tables;  
 by the end of Year 4, children should know ALL times tables up to 12 x 12.*

### Useful websites and further learning opportunities

- [Time - KS2 Maths - BBC Bitesize](#) Use this website to revise time.
- [Rounding numbers to a million - Maths - Learning with BBC Bitesize - BBC Bitesize](#) Use this website to practise rounding numbers.
- [Rounding Methods \(mathsisfun.com\)](#) This website might also be helpful to understand and practise rounding numbers.
- [Factors, multiples and primes - KS2 Maths - BBC Bitesize](#) Use this website to practice prime, square and cube numbers, factors and common factors.
- [Multiplication up to 4-digits by 2-digits - Maths - Learning with BBC Bitesize - BBC Bitesize](#) Use this website to practice multiplying four digits by 2-digit numbers.