

## Maths Remote Learning Autumn 2020 – Year 6

Area	Resources
Times Tables	<p>Year 6 times tables sheets (mixed sheets for times table practice).</p> <p>TT Rockstars - <a href="https://trockstars.com/">https://trockstars.com/</a></p> <p>It is important to keep rehearsing your times tables. They are used for many areas of mathematics and their instant recall will really help you to access harder mathematical concepts. Ask someone to test you regularly.</p> <p><a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a></p>
Maths	
Place Value	<ul style="list-style-type: none"> <li>• Read and write numbers to ten million.</li> <li>• Compare and order any number.</li> <li>• Round any number.</li> <li>• Negative numbers.</li> </ul> <p>Resources:</p> <p>White Rose videos and write-on sheets for place value.</p> <p>Year 6 Numbers to ten million sheets.</p> <p>Rehearse reading and writing larger numbers.</p> <p>Oak National Academy lessons:</p> <p><a href="https://classroom.thenational.academy/lessons/place-value-application-lesson-6dk3er">https://classroom.thenational.academy/lessons/place-value-application-lesson-6dk3er</a></p> <p><a href="https://classroom.thenational.academy/lessons/rounding-to-the-nearest-multiple-of-1000-c5h6ac">https://classroom.thenational.academy/lessons/rounding-to-the-nearest-multiple-of-1000-c5h6ac</a></p> <p><a href="https://classroom.thenational.academy/lessons/adding-and-subtracting-1000-6ctk2t">https://classroom.thenational.academy/lessons/adding-and-subtracting-1000-6ctk2t</a></p> <p><a href="https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk">https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk</a></p> <p><a href="https://www.mathsisfun.com/place-value.html">https://www.mathsisfun.com/place-value.html</a></p>
Four operations – addition, subtraction, multiplication and division.	<ul style="list-style-type: none"> <li>• Add and subtract integers</li> <li>• Multiply up to 2 digit number by a 4 digit number</li> <li>• Short division</li> <li>• Division using factors</li> <li>• Long division</li> <li>• Common factors</li> <li>• Common multiples</li> <li>• Primes to 100</li> <li>• Squares and cubes</li> <li>• Order of operations</li> <li>• Mental calculations and estimation</li> <li>• Reason from known facts</li> </ul> <p>A range of lessons on the four operations are available using the links below.</p> <p><a href="https://classroom.thenational.academy/lessons/multiply-and-divide-by-10-100-and-1000-involving-decimals-64wk6r">https://classroom.thenational.academy/lessons/multiply-and-divide-by-10-100-and-1000-involving-decimals-64wk6r</a></p> <p><a href="https://classroom.thenational.academy/lessons/multiply-and-divide-by-10-100-and-1000-with-in-context-c4t68t">https://classroom.thenational.academy/lessons/multiply-and-divide-by-10-100-and-1000-with-in-context-c4t68t</a></p> <p><a href="https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-cdk68c">https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-cdk68c</a></p> <p><a href="https://classroom.thenational.academy/lessons/multiply-a-decimal-number-by-a-whole-number-6mwpcd">https://classroom.thenational.academy/lessons/multiply-a-decimal-number-by-a-whole-number-6mwpcd</a></p> <p><a href="https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-cdk68c">https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-cdk68c</a></p>

	<p> <a href="https://classroom.thenational.academy/lessons/solve-multiplication-problems-using-known-and-derived-facts-6ngk2t">https://classroom.thenational.academy/lessons/solve-multiplication-problems-using-known-and-derived-facts-6ngk2t</a>  <a href="https://classroom.thenational.academy/lessons/practise-multiplication-and-division-skills-64vp2e">https://classroom.thenational.academy/lessons/practise-multiplication-and-division-skills-64vp2e</a>  <a href="https://classroom.thenational.academy/lessons/use-formal-written-methods-including-long-multiplication-to-solve-a-range-of-problems-61j38r">https://classroom.thenational.academy/lessons/use-formal-written-methods-including-long-multiplication-to-solve-a-range-of-problems-61j38r</a>  <a href="https://classroom.thenational.academy/lessons/explore-efficient-mental-strategies-for-division-crvp6e">https://classroom.thenational.academy/lessons/explore-efficient-mental-strategies-for-division-crvp6e</a>  <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-for-short-division-chh64c">https://classroom.thenational.academy/lessons/use-the-formal-written-method-for-short-division-chh64c</a>  <a href="https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c">https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c</a>  <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-1-6hjp6t">https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-1-6hjp6t</a>  <a href="https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-2-74rp8d">https://classroom.thenational.academy/lessons/solve-problems-involving-division-with-remainders-part-2-74rp8d</a>  <a href="https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-1-chj3et">https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-1-chj3et</a>  <a href="https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-2-ccu32d">https://classroom.thenational.academy/lessons/represent-remainders-in-different-ways-depending-on-the-context-of-the-problem-part-2-ccu32d</a> </p> <p><u>Resources</u></p> <p>Addition questions</p> <p>Missing numbers column addition</p> <p>Arithmetic test - <a href="https://mathsframe.co.uk/en/resources/resource/486/Y6-Arithmetic-Practice">https://mathsframe.co.uk/en/resources/resource/486/Y6-Arithmetic-Practice</a></p> <p>Subtraction rehearsal - <a href="https://www.topmarks.co.uk/maths-games/subtraction-grids">https://www.topmarks.co.uk/maths-games/subtraction-grids</a></p> <p>Rounding game - <a href="https://www.topmarks.co.uk/maths-games/rocket-rounding">https://www.topmarks.co.uk/maths-games/rocket-rounding</a></p> <p>Daily rehearsal for arithmetic - <a href="https://corbettmaths.com/5-a-day/primary/">https://corbettmaths.com/5-a-day/primary/</a></p> <p>Division questions</p> <p>Division game - <a href="http://www.math-play.com/Division-Millionaire/division-millionaire-game.html5.html">http://www.math-play.com/Division-Millionaire/division-millionaire-game.html5.html</a></p> <p>Division rehearsal - <a href="https://www.free-training-tutorial.com/long-division/snorks/snorks.html">https://www.free-training-tutorial.com/long-division/snorks/snorks.html</a></p> <p>Slides about factors and multiples</p> <p>Worksheets about prime numbers</p> <p>Play games, such as Monopoly and dominoes, to rehearse important concepts such as number bonds, addition and subtraction.</p>
Fractions	<ul style="list-style-type: none"> <li>• Simplify fractions</li> <li>• Fractions on a number line</li> <li>• Compare and order (denominator / numerator)</li> <li>• Add and subtract fractions</li> <li>• Multiply fractions by integers</li> <li>• Divide fractions by integers</li> <li>• Fraction of an amount</li> </ul>
	<p>A range of lessons are available at Oak National Academy:</p> <p> <a href="https://classroom.thenational.academy/lessons/to-identify-describe-and-represent-fractions-ccw3ee">https://classroom.thenational.academy/lessons/to-identify-describe-and-represent-fractions-ccw3ee</a>  <a href="https://classroom.thenational.academy/lessons/understanding-equivalence-75hkge">https://classroom.thenational.academy/lessons/understanding-equivalence-75hkge</a>  <a href="https://classroom.thenational.academy/lessons/finding-equivalent-fractions-ctgp4r">https://classroom.thenational.academy/lessons/finding-equivalent-fractions-ctgp4r</a>  <a href="https://classroom.thenational.academy/lessons/compare-fractions-less-than-one-c4ukcc">https://classroom.thenational.academy/lessons/compare-fractions-less-than-one-c4ukcc</a> </p>

	<a href="https://classroom.thenational.academy/lessons/compare-fractions-greater-than-one-c8vkgr">https://classroom.thenational.academy/lessons/compare-fractions-greater-than-one-c8vkgr</a> Resources Fractions matching game - <a href="https://phet.colorado.edu/sims/html/fraction-matcher/latest/fraction-matcher_en.html">https://phet.colorado.edu/sims/html/fraction-matcher/latest/fraction-matcher_en.html</a> Fraction activity - would you rather? <a href="https://nrich.maths.org/1118/index">https://nrich.maths.org/1118/index</a> Fraction mazes
Position and Direction	<ul style="list-style-type: none"> <li>• Coordinates in the first quadrant</li> <li>• Coordinates in the second quadrant</li> <li>• Translations</li> <li>• Reflections</li> </ul>
	Oak National Academy: <a href="https://classroom.thenational.academy/lessons/describing-coordinate-positions-on-a-grid-6hgpat">https://classroom.thenational.academy/lessons/describing-coordinate-positions-on-a-grid-6hgpat</a> <a href="https://classroom.thenational.academy/lessons/translating-simple-shapes-6hjpat">https://classroom.thenational.academy/lessons/translating-simple-shapes-6hjpat</a> <a href="https://classroom.thenational.academy/lessons/reflecting-simple-shapes-6mu3ec">https://classroom.thenational.academy/lessons/reflecting-simple-shapes-6mu3ec</a> Games: <a href="https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack">https://mathsframe.co.uk/en/resources/resource/469/Coordinates-Alien-Attack</a> <a href="http://www.teacherled.com/2015/05/05/show-the-coordinate/">http://www.teacherled.com/2015/05/05/show-the-coordinate/</a> <a href="https://nrich.maths.org/6288">https://nrich.maths.org/6288</a> Resources: Coordinates activities