



# Maths - Year 8



## Autumn (Michaelmas) Term

What we are learning...	Consolidation	Deepen & Challenge
Multiplication of fractions and decimals	<p>Revise <a href="#">Improper Fractions</a> by watching this video</p> <p>Practise <a href="#">Multiplying Fractions</a> and check your <a href="#">answers</a> (Watch <a href="#">Multiplying Fractions</a> for a refresher if you need to)</p> <p>Dividing Fractions <a href="#">'Fill in the blanks'</a> grid, then check your <a href="#">answers</a> (Watch <a href="#">Dividing Fractions</a> video for help if needed)</p>	<p>Watch <a href="#">Multiplying &amp; Dividing Mixed Numbers</a></p> <p>Practise multiplying using this <a href="#">'Fill in the blanks'</a> grid, then check your <a href="#">answers</a></p> <p>Practise dividing using <a href="#">this worksheet</a>, and check your <a href="#">answers</a></p> <p>Watch <a href="#">Algebraic Fractions</a> to see where this topic goes next!</p>
Algebraic thinking	<p>Watch <a href="#">Inverse Operations</a> and play the <a href="#">Secret Number game</a> with a parent. It's a good one for long car journeys!</p> <p>Watch <a href="#">Substitution</a></p>	<p>Try <a href="#">Transum's Substitution</a>. What level can you get to?</p> <p>Watch to learn about <a href="#">Graphing Functions</a></p>
Equality and equivalence	<p>Work your way through <a href="#">Transum's collecting like terms</a>. What level can you get to?</p> <p>Watch <a href="#">Collecting Terms</a> for help and more practise</p>	<p>Interactive Puzzle on <a href="#">MathsPad</a></p>
Place value and ordering	<p>Watch <a href="#">Ordering up to 1 billion</a></p>	<p><a href="#">Decode the Joke</a> Codebreaker activity (Watch <a href="#">Standard Form</a> for help if needed)</p>



# Maths - Year 8



## Spring (Lent) Term

What we are learning...	Consolidation	Deepen & Challenge
Fractions, decimals and percentages	Watch <a href="#">Converting Simple Fractions, Decimals &amp; Percentages</a> , practising on <a href="#">this worksheet</a> as you go through the video. Check your answers <a href="#">here</a> .	Watch <a href="#">Converting more complex FDP</a> , practising on <a href="#">this worksheet</a> as you go through the video. Check your answers <a href="#">here</a> .  Explore <a href="#">fractions greater than 1</a> by watching this video
Directed number	Play <a href="#">Connect Three</a> with a friend or parent. If you're finding it hard, watch <a href="#">Add Directed Numbers</a>  <a href="#">One-step Equations</a> worksheet. Answers on page 2.  Watch <a href="#">Solving 2-step Equations</a> , practise using <a href="#">this bar model worksheet</a> and check your answers on pages 3 & 4	Complete the Equations ' <a href="#">crossnumber</a> ' puzzle. Answers on page 2  Watch <a href="#">Algebraic Expressions with Directed Number</a> , practising on <a href="#">this worksheet</a> as you go through the video. Check your answers <a href="#">here</a> .
Construct and measure angles, lines, triangles, pie charts	Watch <a href="#">Recognising Quadrilaterals &amp; Triangles</a> , then ask a parent to test you	Practise <a href="#">drawing pie charts using this worksheet</a> , then check your <a href="#">answers</a> . Watch <a href="#">Drawing Pie Charts</a> if you need help.



# Maths - Year 8



## Summer (Trinity) Term

What we are learning...	Consolidation	Deepen & Challenge
Numbers, LCM, HCF, prime factors	Grab some dice and play 'Gozinto' with a friend or parent  Watch <a href="#">Common Factors</a> and <a href="#">Common Multiples</a>	Watch <a href="#">Prime Factors</a> and <a href="#">Venn Diagrams</a>
Sets and probability	Watch to understand the <a href="#">key language</a> of probability	Play around at the <a href="#">Probability Fair</a> in this online game
Ratio and proportion	Watch <a href="#">Divide in a Ratio</a>	Watch to link ratio to <a href="#">Gradient</a>
Cartesian plane	Watch <a href="#">Coordinates</a> and play <a href="#">Alien Attack</a>	Watch <a href="#">y = mx + c</a> , practise on this worksheet, and check your answers
Data handling	Watch <a href="#">Two-way Tables</a> , practise these <a href="#">GCSE exam questions</a> , and check your <a href="#">answers</a>	-