**8X3 / 8Y3**

**Half-Term 3**

**Algebraic Tinkering**

**8th January – 14th January**

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| **Topic Area** | **Chapter Link** |
| Introduction to Algebra | <https://app.mymaths.co.uk/5786-lesson/introduction-to-algebra> |
| Simplifying 1 | <https://app.mymaths.co.uk/169-lesson/simplifying-1> |
| Multiplying out brackets | <https://app.mymaths.co.uk/171-lesson/single-brackets> |
| Rules and Formulae | <https://app.mymaths.co.uk/202-lesson/rules-and-formulae> |
| Function Machines | <https://app.mymaths.co.uk/201-lesson/function-machines> |
| Substitution 1 | <https://app.mymaths.co.uk/204-lesson/substitution-1> |
| Substitution 2 | <https://app.mymaths.co.uk/205-lesson/substitution-2> |

**Exploring Fractions, Decimals and Percentage**

**15th January – 23rd January**

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| **Topic Area** | **Chapter Link** |
| Fraction, Decimal and Percent Equivalents 1 | <https://app.mymaths.co.uk/141-lesson/frac-dec-perc-1> |
| Fraction, Decimal and Percent Equivalents 2 | <https://app.mymaths.co.uk/142-lesson/frac-dec-perc-2> |

**Proportional Reasoning**

**24th January – 9th February**

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| **Topic Area** | **Chapter Link** |
| Modelling Ratio | <https://app.mymaths.co.uk/5857-lesson/modelling-ratio> |
| Introduction to Ratio | <https://app.mymaths.co.uk/158-lesson/ratio-introduction> |
| Dividing in a given ratio | <https://app.mymaths.co.uk/159-lesson/ratio-dividing-1> |

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**8X1 / 8X2 / 8Y1 / 8Y2**

**Half-Term 3**

**Proportional Reasoning**

**8th January – 28th January**

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| **Topic Area** | **Chapter Link** |
| Dividing in a given ratio 1 | <https://app.mymaths.co.uk/159-lesson/ratio-dividing-1> |
| Dividing in a given ratio 2 | <https://app.mymaths.co.uk/160-lesson/ratio-dividing-2> |
| Scaling and Rate | <https://app.mymaths.co.uk/5791-lesson/scaling-and-rate-problems> |
| Introduction to Proportion | <https://app.mymaths.co.uk/161-homework/proportion-introduction> |
| Unitary Method | <https://app.mymaths.co.uk/162-lesson/unitary-method> |

**Pattern Sniffing**

**29th January – 9th February**

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| **Topic Area** | **Chapter Link** |
| Counting 4 | <https://app.mymaths.co.uk/38-lesson/counting-4> |
| Sequences | <https://app.mymaths.co.uk/237-lesson/sequences> |
| Geometric sequences | <https://app.mymaths.co.uk/1732-lesson/geometric-sequences-1> |
| Arithmetic sequences | <https://app.mymaths.co.uk/238-lesson/arithmetic-sequences> |
| Generating sequences | <https://app.mymaths.co.uk/1786-lesson/generating-sequences> |

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