**9X4 / 9Y3**

**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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**9X1 / 9X2 / 9X3 / 9Y1 / 9Y2**

**Half-Term 3**

**Solving Equations and Inequalities 1**

**8th January – 21st January**

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| **Topic Area** | **Chapter Link** |
| Language of inequality (symbols used) | <https://app.mymaths.co.uk/232-lesson/inequations> |
| Identify range of results that satisfy an inequality | <https://app.mymaths.co.uk/1740-lesson/inequalities-and-intervals> |
| Negative inequalities | <https://app.mymaths.co.uk/233-lesson/negative-inequations> |
| Solve equations with unknowns each side | <https://app.mymaths.co.uk/188-lesson/equations-3-both-sides> |
| Solve equations involving brackets | <https://app.mymaths.co.uk/1734-lesson/equations-4-brackets> |

**Calculating Space**

**22nd January – 9th February**

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| **Topic Area** | **Chapter Link** |
| Parts of a circle | <https://app.mymaths.co.uk/6010-lesson/parts-of-a-circle> |
| Circumference of circle | <https://app.mymaths.co.uk/269-lesson/circumference-of-a-circle> |
| Area of circle | <https://app.mymaths.co.uk/270-lesson/area-of-a-circle> |
| Arcs and Sectors | <https://app.mymaths.co.uk/1791-lesson/arcs-and-sectors> |
| Surface Area | <https://app.mymaths.co.uk/334-lesson/nets-surface-area> |
| Pythagoras | <https://app.mymaths.co.uk/300-lesson/pythagoras-theorem> |

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