**8X4 / 8Y3**

**Half-Term 1**

**Numbers & the Number System**

**5th September – 24th September**

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| **Topic Area** | **Chapter Link** |
| Factors, Highest Common Factors & Primes | <https://app.mymaths.co.uk/46-lesson/factors-and-primes> |
| Multiples and Lowest Common Multiple | <https://app.mymaths.co.uk/45-lesson/multiples> |
| Squares & Triangle Numbers | <https://app.mymaths.co.uk/149-lesson/squares-and-triangles> |
| Squares & Cube Numbers | <https://app.mymaths.co.uk/150-lesson/squares-and-cubes> |
| Squares, Cubes, Roots & Higher Powers | <https://app.mymaths.co.uk/1729-lesson/higher-powers> |

**Calculating**

**27th September – 15th October**

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| **Topic Area** | **Chapter Link** |
| Multiply by 10 & 100 | <https://app.mymaths.co.uk/130-lesson/multiplying-by-10-and-100> |
| Multiply decimals by 10 & 100 | <https://app.mymaths.co.uk/60-lesson/multiply-decimals-by-10-and-100> |
| Divide by 10 & 100 | <https://app.mymaths.co.uk/1423-lesson/dividing-by-10-and-100> |
| Column addition | <https://app.mymaths.co.uk/33-lesson/adding-in-columns> |
| Column Subtraction | <https://app.mymaths.co.uk/34-lesson/subtraction-columns> |
| Add and subtract decimals | <https://app.mymaths.co.uk/58-lesson/add-and-subtract-decimals> |
| Multiply double digits | <https://app.mymaths.co.uk/134-lesson/multiply-double-digits> |
| Multiply triple digits | <https://app.mymaths.co.uk/135-lesson/multiply-triple-digits> |
| Short and Long Multiplication | <https://app.mymaths.co.uk/1719-lesson/short-and-long-multiplication> |
| Long Multiplication | <https://app.mymaths.co.uk/1713-lesson/long-multiplication> |
| Multiply Decimals by whole numbers | <https://app.mymaths.co.uk/63-lesson/divide-decimals-by-whole-numbers> |
| Division | <https://app.mymaths.co.uk/1714-lesson/introducing-long-division> |
| Dividing a decimal by an integer | <https://app.mymaths.co.uk/63-lesson/divide-decimals-by-whole-numbers> |
| Order of operation (BIDMAS) | <https://app.mymaths.co.uk/203-lesson/order-of-operations> |

**Checking, Approximating and Estimation**

**18th November –23rd October**

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| **Topic Area** | **Chapter Link** |
| Rounding to decimal places | <https://app.mymaths.co.uk/73-lesson/rounding-decimals> |
| Significant figures | <https://app.mymaths.co.uk/75-lesson/significant-figures> |
| Estimation Calculations 1 | <https://app.mymaths.co.uk/78-lesson/estimating-calculations-1> |

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**8X1 / 8X2 / 8X3 / 8Y1 / 8Y2**

**Half-Term 1**

**Numbers & the Number System**

**5th September – 18th September**

|  |  |
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| **Topic Area** | **Chapter Link** |
| Prime Factors & HCF | <https://app.mymaths.co.uk/151-lesson/highest-common-factor> |
| Prime Factors & LCM | <https://app.mymaths.co.uk/152-lesson/lowest-common-multiple> |
| Round to significant figures | <https://app.mymaths.co.uk/75-lesson/significant-figures> |
| Standard form for large numbers | <https://app.mymaths.co.uk/166-lesson/standard-form-large> |
| Standard form for small numbers | <https://app.mymaths.co.uk/167-lesson/standard-form-small> |

**Calculating**

**20th September – 8th October**

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| **Topic Area** | **Chapter Link** |
| Negative Numbers | <https://app.mymaths.co.uk/47-lesson/negative-numbers-1> |
| Calculating with Negatives Numbers | <https://app.mymaths.co.uk/48-lesson/negative-numbers-2> |
| Order of Operation (BIDMAS) | <https://app.mymaths.co.uk/203-lesson/order-of-operations> |
| Effective use of a calculator 1 | <https://app.mymaths.co.uk/1736-lesson/calculator-methods-1> |
| Effective use of a calculator 2 | <https://app.mymaths.co.uk/1737-lesson/calculator-methods-2> |

**Visualising & Constructing**

**11th October – 23rd October**

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| **Topic Area** | **Chapter Link** |
| Enlarging Shapes | <https://app.mymaths.co.uk/314-lesson/enlarging-shapes> |
| Scale Drawing | <https://app.mymaths.co.uk/303-lesson/scale-drawing> |
| Map Scales | <https://app.mymaths.co.uk/304-lesson/map-scales> |
| Plans and Elevations | <https://app.mymaths.co.uk/246-lesson/plans-elevations> |
| Bearings | <https://app.mymaths.co.uk/255-lesson/bearings> |

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