**Mr Paling – 10b1 Maths Lessons**

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| **Date** | **Topic** | **Connect – Corbettmaths 5 a day****GCSE 9 – 1** | **Activate: Watch video and make notes****Demonstrate****Hegarty Maths Clip** | **Demonstrate:** **Worksheets** | **Consolidate: GCSE exam question****Corbettmaths****Worksheets****Practice Questions** |
| Thur 16th April | Factorising quadratics | <https://corbettmaths.com/wp-content/uploads/2015/09/april-15-pdf3.pdf>  | 223,224,225 & 226 | <https://corbettmaths.com/wp-content/uploads/2013/02/solving-quadratics-by-factorising-1-pdf.pdf> |  Video 265 – Quadratics<https://corbettmaths.com/wp-content/uploads/2013/02/solving-quadratics-factorising-pdf1.pdf> |
| Fri 17th April | Sketching quadratics  | <https://corbettmaths.com/wp-content/uploads/2015/09/april-17-pdf3.pdf> | 251,252 & 253 | <https://corbettmaths.com/wp-content/uploads/2019/04/Sketching-Quadratics.pdf> | Video 265<https://corbettmaths.com/wp-content/uploads/2013/02/drawing-quadratics-pdf.pdf> |
| Mon 20th April | Solving quadratics & find turning points | <https://corbettmaths.com/wp-content/uploads/2015/09/april-20-pdf4.pdf> | 255 & 256 | <https://corbettmaths.com/wp-content/uploads/2020/01/Solving-Quadratics-by-Factorising-2.pdf> | Consolidate to follow by email. |
| Tues 21st April | Complete the square to solve quadratics | <https://corbettmaths.com/wp-content/uploads/2015/09/april-21-pdf3.pdf> | 235,236 237 & 238 | <https://corbettmaths.com/wp-content/uploads/2013/02/solving-using-completing-the-square-pdf.pdf> | Video 267 – Completing The Square<https://corbettmaths.com/wp-content/uploads/2013/02/completing-the-square-pdf1.pdf> |
| Wed 22nd April | Sketch a fully labelled quadratic Graph | <https://corbettmaths.com/wp-content/uploads/2015/09/april-22-pdf4.pdf> | 257 | <https://corbettmaths.com/wp-content/uploads/2019/04/Sketching-Quadratics.pdf> |  Consolidate to follow by email. |
| Thurs 23rd April | Solve simultaneous equations |  <https://corbettmaths.com/wp-content/uploads/2015/09/april-23-pdf3.pdf> | 190,191,192 & 193 | <https://corbettmaths.com/wp-content/uploads/2019/04/Simultaneous-Equations.pdf>  | Video 295 – Simultaneous Equations<https://corbettmaths.com/wp-content/uploads/2013/02/simultaneous-equations-pdf.pdf> |
| Fri 24th April | Find the nth term including a quadratic sequence | <https://corbettmaths.com/wp-content/uploads/2015/09/april-24-pdf3.pdf> | 247,248,249 & 250 | <https://corbettmaths.com/wp-content/uploads/2018/12/nth-term-pdf.pdf>  | Video 288 – Sequences<https://corbettmaths.com/wp-content/uploads/2013/02/nth-term-pdf.pdf> |
| Mon 27th April | Add, subtract, multiply & divide fractions | <https://corbettmaths.com/wp-content/uploads/2015/09/april-27-pdf3.pdf> | 63,64,65,67 & 68 |  <https://corbettmaths.com/wp-content/uploads/2018/11/Fractions-Addition-2-pdf.pdf><https://corbettmaths.com/wp-content/uploads/2018/11/Dividing-Fractions-pdf.pdf><https://corbettmaths.com/wp-content/uploads/2018/12/Multiplying-Fractions-pdf.pdf><https://corbettmaths.com/wp-content/uploads/2018/11/Fractions-Addition-2-pdf.pdf> | Video 133 – Fractions<https://corbettmaths.com/wp-content/uploads/2013/02/addition-of-fractions-pdf1.pdf> |
| Tues 28th April | Find percentage increase & decrease | <https://corbettmaths.com/wp-content/uploads/2015/09/april-28-pdf4.pdf> | 90,91 & 92 |  <https://corbettmaths.com/wp-content/uploads/2018/11/Increasing-by-a-Percentage-pdf.pdf> | Video 238 – Percentages<https://corbettmaths.com/wp-content/uploads/2013/02/percentage-of-an-amount-calculator-pdf.pdf> |
| Wed 29th April | Solve compound change problems | <https://corbettmaths.com/wp-content/uploads/2015/09/april-29-pdf3.pdf> | 93,94 & 95 | <https://corbettmaths.com/wp-content/uploads/2019/09/Compound-Interest-pdf-1.pdf> | Video 236<https://corbettmaths.com/wp-content/uploads/2013/02/averages-and-range-pdf.pdf> |
| Thur 30th April | Solve recurring decimal problems |  <https://corbettmaths.com/wp-content/uploads/2015/09/april-30-pdf3.pdf> | 52,53,54 & 55 | <https://corbettmaths.com/wp-content/uploads/2018/11/Recurring-Decimals-pdf.pdf> | Video 53 – Question 3, 4, 6, 7<https://corbettmaths.com/wp-content/uploads/2013/02/compound-interest-pdf1.pdf> |
| Fri 1st May | Simplify & share ratios in a given quantity | <https://corbettmaths.com/wp-content/uploads/2015/09/may-1-pdf3.pdf> | 329,330,331, 332, 333 & 334 | <https://corbettmaths.com/wp-content/uploads/2013/02/ratio-sharing-the-total-pdf.pdf><https://corbettmaths.com/wp-content/uploads/2019/03/Ratio-Solving-Problems-1.pdf> | Video 270 – Ratio<https://corbettmaths.com/wp-content/uploads/2018/06/Ratio-pdf.pdf> |
| Mon 4th May | Solve problems using proportion | <https://corbettmaths.com/wp-content/uploads/2015/09/may-4-pdf3.pdf> | 343 & 344 | <https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf> | Video 254 – Proportion<https://corbettmaths.com/wp-content/uploads/2013/02/direct-inverse-proportion-pdf.pdf> |
| Tue 5th May | Solve problems using formulae for proportion | <https://corbettmaths.com/wp-content/uploads/2015/09/may-5-pdf3.pdf> | 345 & 346 | <https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf> | Video 255 – Proportion<https://corbettmaths.com/wp-content/uploads/2013/02/direct-inverse-proportion-pdf.pdf> |
| Wed 6th May | Solve proportional problems using recipes | <https://corbettmaths.com/wp-content/uploads/2015/09/may-6-pdf3.pdf> | 739 & 740 | <https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf2.pdf> | Video 256 – Recipes<https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf1.pdf> |
| Thur 7th May | Solve proportional problems using recipes | <https://corbettmaths.com/wp-content/uploads/2015/09/may-7-pdf3.pdf> | 741 & 742 | <https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf2.pdf><https://corbettmaths.com/wp-content/uploads/2018/11/Unitary-Method-pdf.pdf> | Consolidate to follow by email. |