**Walton High School Hub Curriculum** 

**Year 9 – Maths**

**Half term 5 (April 2025 – May 2025)**

How it works:

1. In the table, find the correct week by looking at the date in the first column.
2. Find today’s work – there are three links per double lesson so you won’t run out of work!
3. Choose a lesson – hold ctrl and click on the chosen link.

**If the link does not work, you do not recognise the work or the work is too difficult, try another lesson.**

1. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz.
2. Complete any starter quizzes.
	1. Write your answer down
	2. Mark your answers and write down any corrections, using the videos.
3. Watch the videos and take notes.
4. Pause if/when instructed to do so to answer questions or respond.
5. When the lesson is complete, go onto the next one.

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| Week commencing | Day | Topic | Lesson 1 | Lesson 2 |
| 28/04/25 | Monday | Compound measures | [Understanding rate |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/understanding-rate-cgv34r/overview)  | [Conversion rates |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/conversion-rates-ccwkjc/overview)  |
| Tuesday | [Exchange rates with graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/exchange-rates-with-graphs-6cv36d/overview) | [Density as rate |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/density-as-rate-c9jp6c/overview)  |
| Wednesday | [Speed as rate (distance-time graphs) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/speed-as-rate-distance-time-graphs-6nhk2r/overview)  | [Calculating speed, distance and time |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/calculating-speed-distance-and-time-6mrkje/overview)  |
| Thursday  | [Displacement-time graphs (Part 1) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/displacement-time-graphs-part-1-6gr68d/overview)  | [Displacement-time graphs (Part 2) |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-8-l/units/ratio-real-life-graphs-and-rates-of-change-c5d2/lessons/displacement-time-graphs-part-2-6rrkcc/overview)  |
| Friday | [Checking and further securing understanding of direct proportion in context |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/checking-and-further-securing-understanding-of-direct-proportion-in-context/overview)  | [Compound measures for speed |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/compound-measures-for-speed/overview)  |
| 05/05/25 | Monday  |  |  |
| Tuesday  | [Compound measures for density |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/compound-measures-for-density/overview)  | [Compound measures for pressure |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/compound-measures-for-pressure/overview) |
| Wednesday  | [Converting between metric speed measures |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/converting-between-metric-speed-measures/overview)  | [Converting between metric and imperial speed measures |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/converting-between-metric-and-imperial-speed-measures/overview)  |
| Thursday  | [Converting between other compound measures |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/converting-between-other-compound-measures/overview)  | [Combining speeds |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/combining-speeds/overview)  |
| Friday | [Combining densities |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/combining-densities/overview)  | [Advanced problem solving with compound measures |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-higher/units/compound-measures/lessons/advanced-problem-solving-with-compound-measures/overview)  |
| 12/05/25 | Monday | Number properties | [Multiples and Factor Pairs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/multiples-and-factor-pairs-68t3gr/overview)  | [Identify Prime Numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/identify-prime-numbers-c8vp2t/overview)  |
| Tuesday | [Prime Factor Decomposition |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/prime-factor-decomposition-ccupcr/overview)  | [Using Prime Factor Decomposition |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/factors-multiple-and-primes-211b/lessons/using-prime-factor-decomposition-cnj66t/overview)  |
| Wednesday | [Simple LCM and HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/simple-lcm-and-hcf-68r66t/overview)  | [Finding the LCM |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/finding-the-lcm-74t3er/overview)  |
| Thursday | [Finding the HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/finding-the-hcf-68tpcr/overview)  | [Applying LCM and HCF |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation-l/units/hcf-and-lcm-872d/lessons/applying-lcm-and-hcf-70w3ed/overview)  |
| Friday | [Checking understanding of factors, multiples, squares and cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/checking-understanding-of-factors-multiples-squares-and-cubes/overview)  | [Securing understanding of factors, multiples, squares and cubes |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/securing-understanding-of-factors-multiples-squares-and-cubes/overview)  |
| 19/05/25 | Monday | [Square and cube numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/square-and-cube-numbers/overview)  | [Square and cube roots |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/square-and-cube-roots/overview)  |
| Tuesday | [Power notation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/power-notation/overview)  | [Powers and roots using a calculator |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/powers-and-roots-using-a-calculator/overview)  |
| Wednesday | [Listing factors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/listing-factors/overview)  | [Checking understanding of prime numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/checking-understanding-of-prime-numbers/overview)  |
| Thursday | [Expressing an integer as a product of its prime factors |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/expressing-an-integer-as-a-product-of-its-prime-factors/overview)  | [Calculating integers from their prime factor expressions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/calculating-integers-from-their-prime-factor-expressions/overview)  |
| Friday | [Highest common factor |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/highest-common-factor/overview)  | [Lowest common multiple |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/lowest-common-multiple/overview)  |