**Walton High School Hub Curriculum** 

**Year 10 FOUNDATION – Maths**

**Half term 6 (June 2025 – July 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 |
| 02/06/25 | Monday | Measures and 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)  |
| 09/06/25 | 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)  |
| 16/06/25 | Monday | Data representation | [Data collection |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/frequency-charts-data-collection-bar-and-pictograms-1f5e/lessons/data-collection-c9h6cc/overview)  | [Bar charts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/frequency-charts-data-collection-bar-and-pictograms-1f5e/lessons/bar-charts-6hh3gr/overview)  |
| Tuesday | [Composite and multiple bar charts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/frequency-charts-data-collection-bar-and-pictograms-1f5e/lessons/composite-and-multiple-bar-charts-cmrpct/overview)  | [Pictograms |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/frequency-charts-data-collection-bar-and-pictograms-1f5e/lessons/pictograms-60up8t/overview)  |
| Wednesday | [Find the mean, median, mode and range from a list of numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/averages-from-a-list-and-tables-stem-and-leaf-2afc/lessons/find-the-mean-median-mode-and-range-from-a-list-of-numbers-chhker/overview)  | [Stem and leaf diagrams |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/averages-from-a-list-and-tables-stem-and-leaf-2afc/lessons/stem-and-leaf-diagrams-6gr3je/overview)  |
| Thursday | [Mean from a frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/averages-from-a-list-and-tables-stem-and-leaf-2afc/lessons/mean-from-a-frequency-table-6thp2e/overview)  | [Mean from a grouped frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/averages-from-a-list-and-tables-stem-and-leaf-2afc/lessons/mean-from-a-grouped-frequency-table-65h6ad/overview) |
| Friday | [Interpret timetables and distance tables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/interpret-timetables-and-distance-tables-6wukgc/overview)  | [Design and interpret two-way tables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/design-and-interpret-two-way-tables-crwp8r/overview) |
| 23/06/25 | Monday | [Plot and interpret time-series graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/plot-and-interpret-time-series-graphs-64r3jd/overview)  | [Draw and interpret pie charts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/draw-and-interpret-pie-charts-cmt36t/overview)  |
| Tuesday | [Plot a scatter graph and describe correlation |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/scatter-diagrams-and-frequency-trees-1bf2/lessons/plot-a-scatter-graph-and-describe-correlation-6nh6ce/overview)  | [Identify and explain outliers from a scatter diagram |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/scatter-diagrams-and-frequency-trees-1bf2/lessons/identify-and-explain-outliers-from-a-scatter-diagram-c8tkad/overview)  |
| Wednesday | [Use a line of best fit on a scatter graph |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/scatter-diagrams-and-frequency-trees-1bf2/lessons/use-a-line-of-best-fit-on-a-scatter-graph-crv32d/overview)  | [Draw and interpret a frequency tree |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/scatter-diagrams-and-frequency-trees-1bf2/lessons/draw-and-interpret-a-frequency-tree-cngkae/overview)  |
| Thursday | [Find the mean, median, mode and range from a list of numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-the-mean-median-mode-and-range-from-a-list-of-numbers-chhker/overview)  | [Stem and leaf diagrams |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/stem-and-leaf-diagrams-6gr3je/overview)  |
| Friday |  |  |
| 30/06/25 | Monday  | [Mean from a frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/mean-from-a-frequency-table-6thp2e/overview)  | [Mean from a grouped frequency table |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/mean-from-a-grouped-frequency-table-65h6ad/overview)  |
| Tuesday | [Plot a cumulative frequency diagram |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/plot-a-cumulative-frequency-diagram-6cw34r/overview)  | [Find quartiles and interquartile range from CF diagram |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-quartiles-and-interquartile-range-from-cf-diagram-cmw3at/overview)  |
| Wednesday | [Find quartiles from a list of data |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/find-quartiles-from-a-list-of-data-61k34t/overview)  | [Plot a box plot and compare distributions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/revise-data-mean-table-cf-charts-f08b/lessons/plot-a-box-plot-and-compare-distributions-cgrk2t/overview)  |
| Thursday | [Interpret timetables and distance tables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/interpret-timetables-and-distance-tables-6wukgc/overview)  | [Design and interpret two-way tables |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/design-and-interpret-two-way-tables-crwp8r/overview)  |
| Friday | [Plot and interpret time-series graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/plot-and-interpret-time-series-graphs-64r3jd/overview)  | [Draw and interpret pie charts |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-core-l/units/charts-and-tables-pie-chart-and-two-way-tables-f292/lessons/draw-and-interpret-pie-charts-cmt36t/overview)  |
| 07/07/25 | Monday | Ratio and proportion | [Checking and securing understanding of simplifying and unitising ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-simplifying-and-unitising-ratios/overview)  | [Checking and securing understanding of equivalent ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-equivalent-ratios/overview)  |
| Tuesday | [Checking and securing understanding of sharing in a ratio |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-sharing-in-a-ratio/overview)  | [Checking and securing understanding of converting between ratios, percentages and fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-converting-between-ratios-percentages-and-fractions/overview)  |
| Wednesday | [Checking and securing understanding of real world ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-real-world-ratios/overview) | [Combining ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/combining-ratios/overview)  |
| Thursday | [Changing ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/changing-ratios/overview)  | [Problem solving with ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/problem-solving-with-ratios/overview)  |
| Friday | [Ratio and fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/ratio-2-ratio-and-fractions-direct-proportion-best-buy-4eff/lessons/ratio-and-fractions-6xjkce/overview)  | [Compare the cost of two items using the unitary method |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/ratio-2-ratio-and-fractions-direct-proportion-best-buy-4eff/lessons/compare-the-cost-of-two-items-using-the-unitary-method-c8uk4r/overview)  |
| 14/07/25 | Monday | [Using direct proportion graphs |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/ratio-2-ratio-and-fractions-direct-proportion-best-buy-4eff/lessons/using-direct-proportion-graphs-6cv3ed/overview)  | [Proportion problems |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-11-foundation-l/units/ratio-2-ratio-and-fractions-direct-proportion-best-buy-4eff/lessons/proportion-problems-cdj3ed/overview)  |
| Tuesday | [Checking and securing understanding of simplifying and unitising ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-simplifying-and-unitising-ratios/overview)  | [Checking and securing understanding of equivalent ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-equivalent-ratios/overview)  |
| Wednesday | [Checking and securing understanding of sharing in a ratio |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-sharing-in-a-ratio/overview)  | [Checking and securing understanding of converting between ratios, percentages and fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-converting-between-ratios-percentages-and-fractions/overview)  |
| Thursday | [Checking and securing understanding of real world ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/checking-and-securing-understanding-of-real-world-ratios/overview) | [Combining ratios |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-10-foundation/units/ratio/lessons/combining-ratios/overview)  |
| Friday |  |  |