**Walton High School Hub Curriculum** 

**Year 7 – Maths**

**Half term 3 (January 2025 – February 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 |
| 06/01/25 | Monday | Types of Number | [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)  |
| Tuesday | [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)  |
| Wednesday | [HCF or LCM |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/properties-of-number-factors-multiples-squares-and-cubes/lessons/hcf-or-lcm/overview)  | [Problem solving with 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/problem-solving-with-factors-multiples-squares-and-cubes/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)  |
| 13/01/25 | Monday  | Fractions, decimals and percentages | [Checking and securing understanding of fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-understanding-of-fractions/overview)  | [The identity property of multiplication and division |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/the-identity-property-of-multiplication-and-division/overview)  |
| Tuesday  | [Checking and securing converting improper fractions to mixed numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-converting-improper-fractions-to-mixed-numbers/overview)  | [Checking and securing converting mixed numbers to improper fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-converting-mixed-numbers-to-improper-fractions/overview)  |
| Wednesday  | [Converting fractions to terminating decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/converting-fractions-to-terminating-decimals/overview)  | [Converting fractions to recurring decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/converting-fractions-to-recurring-decimals/overview)  |
| Thursday  | [Converting terminating decimals to fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/converting-terminating-decimals-to-fractions/overview)  | [Simplifying fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/simplifying-fractions/overview)  |
| Friday | [Converting fractions with technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/converting-fractions-with-technology/overview)  | [Limitations of technology in calculations |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/limitations-of-technology-in-calculations/overview)  |
| 20/01/25 | Monday | [Ordering negative integers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-negative-integers/overview)  | [Ordering negative integers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-negative-integers/overview)  |
| Tuesday | [Ordering fractions by converting |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-fractions-by-converting/overview)  | [Ordering fractions by way of a common denominator |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-fractions-by-way-of-a-common-denominator/overview)  |
| Wednesday | [Ordering fractions in different ways |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-fractions-in-different-ways/overview)  | [Ordering positive and negative fractions and decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/ordering-positive-and-negative-fractions-and-decimals/overview)  |
| Thursday | [Between numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/between-numbers/overview)  | [Problem solving with fractions and decimals |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/problem-solving-with-fractions-and-decimals/overview)  |
| Friday | [Checking understanding of addition and subtraction with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-understanding-of-addition-and-subtraction-with-fractions/overview)  | [Securing understanding of addition and subtraction with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-addition-and-subtraction-with-fractions/overview)  |
| 27/01/25 | Monday | [Checking understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-understanding-of-multiplication-with-fractions/overview)  | [Securing understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-multiplication-with-fractions/overview)  |
| Tuesday | [Securing understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-multiplication-with-fractions/overview)  | [Checking and securing dividing a fraction by a whole number |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-and-securing-dividing-a-fraction-by-a-whole-number/overview)  |
| Wednesday | [Dividing a whole number by a fraction |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/dividing-a-whole-number-by-a-fraction/overview)  | [Dividing a fraction by a fraction |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/dividing-a-fraction-by-a-fraction/overview)  |
| Thursday | [Priority of operations with positive and negative integers, decimals and fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/priority-of-operations-with-positive-and-negative-integers-decimals-and-fractions/overview)  | [Problem solving with arithmetic procedures involving fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/problem-solving-with-arithmetic-procedures-involving-fractions/overview)  |
| Friday | [Problem solving with arithmetic procedures involving fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/problem-solving-with-arithmetic-procedures-involving-fractions/overview)  | [Checking understanding of multiplicative relationships |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/understanding-multiplicative-relationships-fractions-and-ratio/lessons/checking-understanding-of-multiplicative-relationships/overview)  |
| 03/02/25 | Monday  | Retrieval Week | [Checking and securing understanding of fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-understanding-of-fractions/overview)  | [The identity property of multiplication and division |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/the-identity-property-of-multiplication-and-division/overview)  |
| Tuesday | [Checking and securing converting improper fractions to mixed numbers |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-converting-improper-fractions-to-mixed-numbers/overview)  | [Checking and securing converting mixed numbers to improper fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/comparing-and-ordering-fractions-and-decimals-positive-and-negative/lessons/checking-and-securing-converting-mixed-numbers-to-improper-fractions/overview)  |
| Wednesday | [Checking understanding of addition and subtraction with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-understanding-of-addition-and-subtraction-with-fractions/overview)  | [Securing understanding of addition and subtraction with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-addition-and-subtraction-with-fractions/overview)  |
| Thursday | [Checking understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-understanding-of-multiplication-with-fractions/overview)  | [Securing understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-multiplication-with-fractions/overview)  |
| Friday | [Securing understanding of multiplication with fractions |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/securing-understanding-of-multiplication-with-fractions/overview)  | [Checking and securing dividing a fraction by a whole number |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/arithmetic-procedures-with-fractions/lessons/checking-and-securing-dividing-a-fraction-by-a-whole-number/overview)  |
| 10/02/25 | Monday | Geometrical reasoning, lines and angles | [Checking understanding of plotting coordinates |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/checking-understanding-of-plotting-coordinates/overview)  | [Securing understanding of plotting coordinates |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/securing-understanding-of-plotting-coordinates/overview)  |
| Tuesday | [Plotting non-integer coordinates |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/plotting-non-integer-coordinates/overview)  | [Plotting coordinates generated from a rule |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/plotting-coordinates-generated-from-a-rule/overview)  |
| Wednesday | [Plotting coordinates generated from a rule using technology |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/plotting-coordinates-generated-from-a-rule-using-technology/overview)  | [Plotting a relationship |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/plotting-a-relationship/overview)  |
| Thursday | [Problem solving with plotting coordinates |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7/units/plotting-coordinates/lessons/problem-solving-with-plotting-coordinates/overview)  | [Describing and comparing angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/describing-and-comparing-angles-6dhp2c/overview)  |
| Friday | [Measuring and drawing angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/measuring-and-drawing-angles-cnk38d/overview)  | [Partitioning angles |](https://www.thenational.academy/pupils/programmes/maths-secondary-year-7-l/units/angles-3770/lessons/partitioning-angles-71jkat/overview)  |