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| Subject | Year 7 Thresholds Concepts – Summer Term | How to support students learning |
| Mathematics | **Percentages & Proportion**   * Finding percentages of amounts without a calculator - M437 * Finding percentages of amounts with a calculator - M905 * Percentage change without a calculator - M476 * Percentage change with a calculator - M533 * Solving proportion problems - M478 * Best buys - M681   **Indices and Advanced Equations**   * Index rules with positive indices - M608 * Index rules with negative indices - M150 * Simplifying expressions using index laws - M120 * Simplifying algebraic fractions by cancelling common factors - M568 * Solving equations of the form (x+a)/b = c - M401 * Solving linear equations involving brackets - M902 * Solving equations with unknowns on both sides - M554 * Solving equations with the unknown in the denominator - M387 * Constructing and solving equations - M957   **FDP**   * Converting between fractions and decimals - M958 * Converting between fractions, decimals and percentages - M264 * Ordering fractions, decimals and percentages - M553 * Writing numbers as percentages of other numbers - M235 * Reciprocals - M216 * Multiplying fractions - M157 * Dividing fractions - M110 * Multiplying with mixed numbers - M197 * Dividing with mixed numbers - M265 * Fractions of amounts without a calculator - M695 * Fractions of amounts with a calculator - M684 | * Encourage your child to practise their times tables up to 15 at home. * Encourage your child to set their work out using the correct columns for place value. * Encourage your child to estimate answers by rounding e.g. shopping costs by rounding to the nearest £. * Encourage your child to look at where they may use negative numbers in real life. * Homework will be set on Sparx – teachers will provide your child with a login and password. Use the Sparx codes provided next to the concepts to support them when required. |