

Subject	Year 7 Thresholds Concepts – Summer Term	How to support students learning
Mathematics	<p><b>Percentages &amp; Proportion</b></p> <ul style="list-style-type: none"> <li>• Finding percentages of amounts without a calculator - M437</li> <li>• Finding percentages of amounts with a calculator - M905</li> <li>• Percentage change without a calculator - M476</li> <li>• Percentage change with a calculator - M533</li> <li>• Solving proportion problems - M478</li> <li>• Best buys - M681</li> </ul> <p><b>Indices and Advanced Equations</b></p> <ul style="list-style-type: none"> <li>• Index rules with positive indices - M608</li> <li>• Index rules with negative indices - M150</li> <li>• Simplifying expressions using index laws - M120</li> <li>• Simplifying algebraic fractions by cancelling common factors - M568</li> <li>• Solving equations of the form <math>(x+a)/b = c</math> - M401</li> <li>• Solving linear equations involving brackets - M902</li> <li>• Solving equations with unknowns on both sides - M554</li> <li>• Solving equations with the unknown in the denominator - M387</li> <li>• Constructing and solving equations - M957</li> </ul> <p><b>FDP</b></p> <ul style="list-style-type: none"> <li>• Converting between fractions and decimals - M958</li> <li>• Converting between fractions, decimals and percentages - M264</li> <li>• Ordering fractions, decimals and percentages - M553</li> <li>• Writing numbers as percentages of other numbers - M235</li> <li>• Reciprocals - M216</li> <li>• Multiplying fractions - M157</li> <li>• Dividing fractions - M110</li> <li>• Multiplying with mixed numbers - M197</li> <li>• Dividing with mixed numbers - M265</li> <li>• Fractions of amounts without a calculator - M695</li> <li>• Fractions of amounts with a calculator - M684</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage your child to practise their times tables up to 15 at home.</li> <li>• Encourage your child to set their work out using the correct columns for place value.</li> <li>• Encourage your child to estimate answers by rounding e.g. shopping costs by rounding to the nearest £.</li> <li>• Encourage your child to look at where they may use negative numbers in real life.</li>   <li>• 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.</li> </ul>

