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| **Ch** | **Topic** | **Course Tasks** | **Key Skills** | **Experiences & Outcomes** |
| **6** | **Angles**  **Pages 56 - 62** | * Geometric Definitions Mix N Match   group work (Break out room )   * Angle Calculation Cards group work   ( in filing cabinet )   * [Online practice](http://www.mathsrevision.com/index_files/Maths/Presentations/S1_Presentations/S1_Angles.xls) | Vertically opposite (X shape),  corresponding (F shape) and alternate (Z shape) angles, involving parallel lines.  Be able to calculate angles in diagrams using all these.  **(MTH 3-17a)** | I can name angles and find their sizes using my knowledge of the properties of a range of 2D shapes and the angle properties associated with intersecting and parallel lines. **MTH 3-17a** |
| **7** | **2D Shapes**  **Pages 66 - 72** |  | With the aid of a ruler and a protractor, make  accurate drawings of quadrilaterals, making careful use of the information given.  With the added use of a pair of compasses, make accurate drawings of triangles (given two sides and included angle; given two angles and a side; given 3 sides) and any quadrilateral.  Recognise and know the names of regular polygons, (upto the decagon or dodecagon).  **(MTH 3-16a)** | Having investigated a range of methods, I can accurately draw 2D shapes using appropriate mathematical instruments and methods. **MTH 3-16a** |
| **8** | **Fractions**    **Pages 75 - 79** | * Dominoes – Basic addition   ( trays in Base )   * Dominoes – Fractions/Decimals equivalence (trays in Base ) * Equivalence Trios - Fraction/Decimals/% ( trays in Base ) * Loop cards – Fractions (trays in Base ) * Cycle cards - Fraction/Decimals/% ( trays in Base ) * Expert groups – Fractions (filing cabinet ) |  | **Extension work** |
| **9** | **Scale Drawings**  **Pages 82 - 92** | * **Hypermarket Investigation - co-op task**   ( Breakout room )   * **CFE book – Planning a bedroom** * **CFE book – Venting gas appliances** * **CFE book – Garden Designer** | Understand and use bearings in drawings.  With given information involving distance,  (often with a scale) along with bearings, use a ruler and a protractor to make a drawing of a journey and answer questions from your drawing.  **(MTH 3-17b)** | Having investigated navigation in the world, I can apply my understanding of bearings and scale to interpret maps and plans and create accurate plans, and scale drawings of routes and journeys. **MTH 3-17b**  I can apply my understanding of scale when enlarging or reducing pictures and shapes, using different methods, including technology. **MTH 3-17c** |
| **10** | **Proportion**  **Pages 96 - 102** | * [www.mathsrevision.com](http://www.mathsrevision.com/) * [Ratio Practice online](http://www.mathsrevision.com/index_files/Maths/Presentations/S2_Presentations/S2_Ratio_Practice.xls) * [Proportion Practice online](http://www.mathsrevision.com/index_files/Maths/Presentations/S2_Presentations/S2_Proportion_Practice.xls) * **CFE book – Alcohol** * **CFE book – Recipes (chocolate cake)** | Introduction to basic proportion. e.g.  • 1 pencil costs 12p. What do 5 pencils cost ?  • 5 pens cost 45p. How much for one ?  Pupils should be able to solve problems involving  direct proportion. e.g.  • 10 cakes cost £23·50. How much for 3 cakes ?  **(MNU 3-08a)** | I can show how quantities that are related can be increased or decreased proportionally and apply this to solve problems in everyday contexts.  **MNU 3-08a +**  **Extension work** |
| **ASSESSMENT 2** | | | | |