## Paper 2 Higher Tier

 $\ref{eq: Constraint}$  Questions that appear on both the foundation and higher paper

Question		Торіс	Nugget Code	Nugget Name	Done
1a	*	Laws of indices	MF13.05	Power of a Power	
1b	*	Expand and simplify	MF18.06	Expanding and Simplifying	
1c	*	Fully factorise	MF18.09	Factorising into a Single Bracket 3: axy(bx $^2 \pm cx \pm d$ )	
2	*	Describing transformation	MF40.18	Describing Transformations	
			MF40.06	Describing Translations	
3	*	Error interval	MF9.15	Bounds 3: Intervals	
4a	*	Multiplication and division problem	MF16.10	Ratio and Rate Problems 1: Testing for Equivalence	
4b	*	Area conversion	MF36.13	Converting Area 2: Unit Conversions	
5	*	Coodinates ratio problem	MH23.20	Coordinates and Ratios	
6	*	Depreciation	MF11.08	Depreciation (Calculator)	
7	*	Currency conversion	MF37.12	Converting Currency: Mixed Problems	
8		Using a calculator	MF3.18	Using a Calculator 2: Multiple Numbers	
9		Pressure problem	MF38.18	Force, Pressure and Area	
		Box plots	MH60.12	Box Plots 4: Draw from Data	
			MH60.13	Box Plots 5: Evaluate and Compare	
11		Inverse proportion	MF16.07	Inverse Proportion 1: Introduction	
12		Darallal lines	MF23.15	Rearranging y = mx + c	
		Paranet lines	MF23.16	Finding Parallel Lines	
13		Enlargement	MH40.20	Enlargement with Negative Scale Factor	
14		Capture Recapture	MH48.08	Petersen's Capture-Recapture	



Question	Торіс	Nugget Code	Nugget Name	Done
15	Ratio simultaneous eqution problem	MH15.22	Ratio: Changing Ratios	
<b>16</b> a	3 region Venn diagram	MH47.12	Constructing Venn Diagrams 3: 3-Set Diagrams	
16b	Finding probability	MH47.18	Probabilities with Venn Diagrams 5: 3-Set Diagrams (A given B)	
17	Volume problem	MF34.16	Volume of Composite Solids	
		MH34.17	Problem Solving with Volume	
19	Sine and cosine	MH58.13	Choosing the Correct Trigonometric Rule	
10		MH58.16	Mixed Trigonometry 3: Multi-Step Problems	
19a	Functions: substitution	MH56.03	Functions: Substitution 2 (Quadratic Functions)	
10h	Composite & inverse functions	MH56.14	Inverse Functions 2: Non-Linear	
190		MH56.17	Composite and Inverse Functions	
20	Circle theorems problem	MH57.11	Mixed Circle Theorems 3: Two Theorems	
<b>21</b> a	Sketching graph transformaiton	MH24.26	Transforming Graphs: Reflections	
21b	Finding equation after transformation	MH24.29	Transforming Graphs: Mixed Translations	
22	Quadratic inequalities —	MH25.13	Solving Quadratic Inequalities Graphically	
<i>LL</i>		MH25.16	Solving Inequalities: Quadratics 3 (Factorising)	

 $\ref{eq: Constant}$  Questions that appear on both the foundation and higher paper

