## KS4 MATHEMATICS

Edexcel

# FOUNDATION: NON CALCULATOR 

PERSONAL LEARNING CHECKLISTS

2022

## The Appleton School - Mathematics Department.

## Mathematics - Foundation: Non Calculator

RAG Rate each section in the first column
Red $=$ Not at all confident - needs major revision focus, Amber $=$ requires more revision until confident. Green = Confident.

Use remaining columns to colour code when you have revised and tested your knowledge and understanding over several weeks.


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| Sequences | Linear sequence | $\begin{gathered} \hline 196,197, \\ 198 \end{gathered}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ratio, proportion, and rates of change |  |  |  |  |  |  |  |  |
| Conversion | Length | $\begin{gathered} \hline 692,693, \\ 694,705, \\ 706 \end{gathered}$ |  |  |  |  |  |  |
| Percentages | Percentage of an amount | 84, 85, 86 |  |  |  |  |  |  |
|  | Percentage increase | $\begin{gathered} \hline 88,91,92, \\ 94,97,98 \end{gathered}$ |  |  |  |  |  |  |
| Ratio | Write as a ratio | 328, 329 |  |  |  |  |  |  |
|  | Share in a ratio | 332-335 |  |  |  |  |  |  |
| Proportion | Direct proportion | $\begin{gathered} \hline 339,340, \\ 341,343, \\ 344,345, \\ 348,739- \\ 742 \end{gathered}$ |  |  |  |  |  |  |
| Compound Measures | Speed | $716-724$ |  |  |  |  |  |  |
|  | Density | $\begin{gathered} 725-729, \\ 731 \end{gathered}$ |  |  |  |  |  |  |
| Geometry and measures |  |  |  |  |  |  |  |  |
| Shape | Reflection | $\begin{gathered} 639,640, \\ 641 \end{gathered}$ |  |  |  |  |  |  |
|  | Plan and elevation | 837-844 |  |  |  |  |  |  |
| Angles | Angles in a polygon | 560-565 |  |  |  |  |  |  |
| Length, area, and volume | Volume of a cube | 568, 569 |  |  |  |  |  |  |
|  | Volume of a cylinder | $\begin{gathered} 572,573 \\ 574 \end{gathered}$ |  |  |  |  |  |  |
| Pythagoras's Theorem and Trigonometry | Exact trigonometric values | 845 |  |  |  |  |  |  |
| Probability |  |  |  |  |  |  |  |  |
| Probability | Probability | $349-363$ |  |  |  |  |  |  |
|  | Frequency tree | 368, 369 |  |  |  |  |  |  |
| Statistics |  |  |  |  |  |  |  |  |
| Diagrams | Pictogram | 426 |  |  |  |  |  |  |
|  | Bar chart | 425 |  |  |  |  |  |  |
|  | Stem and leaf diagram | 430-433 |  |  |  |  |  |  |

