



# Year 10 Summer Mock (F)

## How to revise Maths:

You can follow the below process for each topic:

1. Speak to your teacher about topics you don't understand
2. Look through previous assessments to see any previous areas you struggled with.
3. Review the topics listed in the revision list and revise them from your exercise book
4. Review online videos and tutorials explaining these topics areas.
5. Review any topics you need to practice on SparxMaths before the assessment.

## Additional Information:

- Remember to look through your own notes from class and use any revision material you have.
- Email your class teacher if you need any help.
- Use the codes attached to revise topics on Sparx Maths.

## Revision list:

Reflection	U799
Understanding and ordering integers	U600
Ordering fractions, decimals and percentages	U594
Drawing and interpreting pictograms	U506
Adding and subtracting integers, Using a written method to divide integers	U417, U453
Drawing bar charts	U363
Interpreting bar charts	U557
Term-to-term rules	U213
Adding and subtracting with negative numbers	U742
Adding and subtracting integers, Using a written method to multiply integers	U478, U127
Adding and subtracting fractions	U736
Multiplying fractions	U475
Writing probabilities as fractions	U408
Probabilities of mutually exclusive events	U683
Substituting into algebraic formulae	U585
Estimating calculations	U225
Multiplying and dividing with place value	U735
Calculating with speed	U151
Frequency trees	U280
Solving direct proportion word problems	U721
Percentage change without a calculator	U773
Adding and subtracting fractions	U736
Drawing stem-and-leaf diagrams	U200
Plans and elevations, Finding the volume of cylinders	U743, U915
Solving single inequalities	U759
Prime factor decomposition	U739
Sharing amounts in a given ratio, Finding fractions and percentages of amounts	U577, U881, U554
Using standard form with negative indices	U534
Using standard form with positive indices	U330
Multiplying and dividing numbers in standard form	U264
Angles in polygons	U427
Plotting graphs of quadratic functions	U989
Solving quadratic equations graphically	U601
Volume of cuboids, Calculating with density, Writing and simplifying ratios	U786, U910, U687
Using the exact values of trigonometric ratios	U627

Rounding integers	U480
Adding and subtracting fractions	U736
Finding the mode	U260
Finding the lowest common multiple (LCM)	U751
Converting between fractions, decimals and percentages	U888
Understanding and ordering integers	U600
Line and shape properties	U121
Reading and plotting coordinates, Using a pair of compasses	U789, U678
Interpreting line graphs	U193
Interpreting line graphs, Writing and simplifying ratios	U193, U687
Adding and subtracting integers, Using a written method to divide integers	U417, U293
Combining angle facts	U655
Function machines with numbers	M175
Interpreting frequency tables and two-way tables	U981
Ordering fractions	U746
Operations with negative numbers	U742, U548
Interpreting frequency tables and two-way tables	U981
Finding averages from frequency tables	U569
Drawing and interpreting scale diagrams	U257
Plotting straight line graphs	U741
Calculating the mean	U291
Using a calculator, Finding percentages of amounts with a calculator	U926, U349
Tree diagrams for independent events	U558
Tree diagrams for independent events	U558
Simplifying expressions using index laws	U662
Expanding single brackets	U179
Factorising into one bracket	U365
Translation	U196
Finding error intervals	U657
Calculating with rates	U256
Converting units of area	U248
Solving shape problems involving coordinates	U889
Compound interest calculations	U332
Currency conversion, Converting units of capacity, Direct proportion word problems	U610, U388, U721
Solving simultaneous equations using elimination	U760