



Revision List

Year 8 Mathematics Examination

Paper I: 90 minutes (*without a calculator*)

Equipment: You will need a *biro, pencil, protractor, compass and ruler.*



1. Factors and Multiples

Square Root
Cube Root
Factors
Prime Numbers
Venn Diagrams

Set Notation
Index Form
Square Numbers and Index Form
Highest Common Factor and
Lowest Common Multiple

2. Introducing Algebra

Sequences
Function Machines
Forming Expressions
Substitution

Formulae
Collecting Like Terms
Solving Equations

3. Measuring Shapes

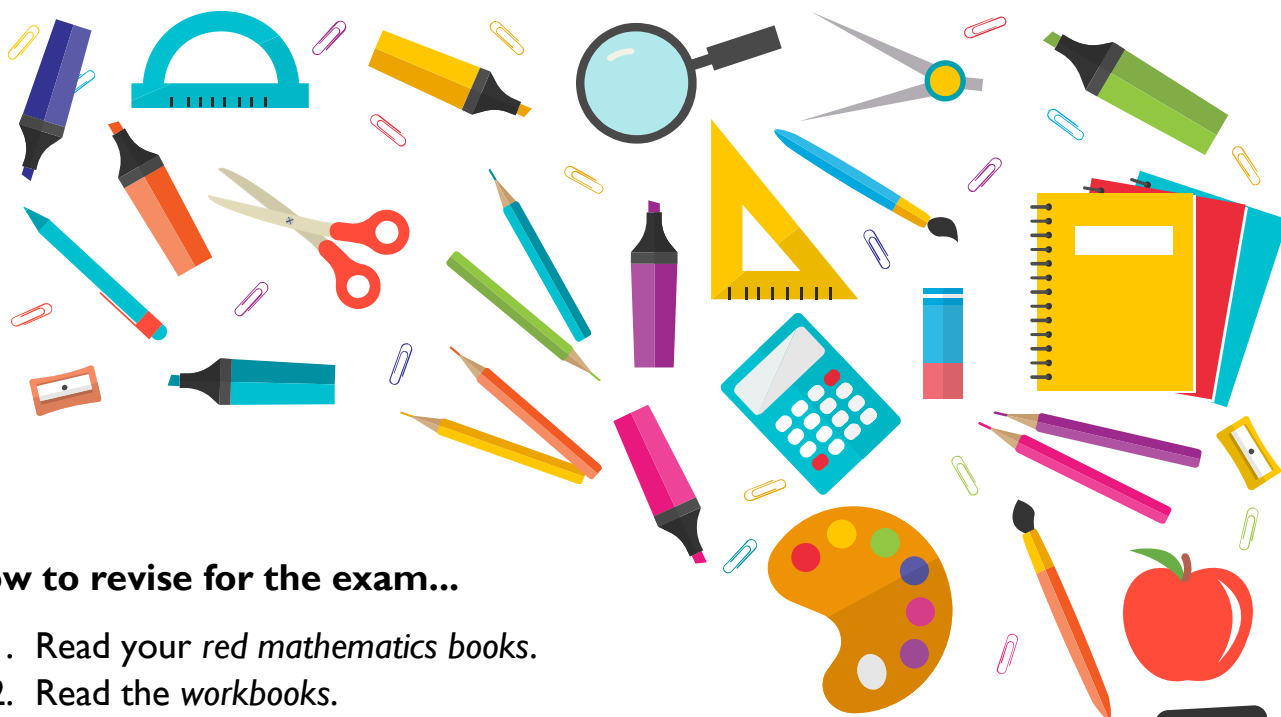
Measuring Length, Mass and Capacity
Converting Between Units
Reading Scales
Conversion Graphs
Types of Quadrilaterals
Drawing Quadrilaterals using a Compass and Ruler
Angles in Quadrilaterals
Perimeter and Area of Simple Shapes on a Grid

Area of a Rectangle
Area of a Triangle
Area of a Parallelogram
Area of a Trapezium
Estimating Area
Properties of Solids
Nets
Volume of a Cuboid

4. Data Handling and Statistics 2

Calculating the Mode of a Set of Numbers
Calculating the Mode from a Frequency Table
Modal Class
Comparing Two Distributions
Pictograms
Vertical Line Diagrams
Line Graphs

Drawing a scatter diagram
Types of correlation
Drawing lines of best fit (2 methods)
Probability in Words
Probability Scale
Probability as a Number



How to revise for the exam...

1. Read your *red mathematics books*.
2. Read the *workbooks*.



3. Read the *end of unit tests*, and the *reflection sheets*.
4. Watch the (Welsh) *revision videos* on YouTube.

Factors and Multiples



Introducing Algebra



Measuring Shapes



Data Handling and Statistics 2

