

# **PAPER 1 REVISION LIST (NON-CALCULATOR)**

**You will sit two assessments in the Memorial Hall**

## **Topics to revise**

Ordering negative numbers and decimals
Simplifying expressions
Probability
Rounding to the nearest whole, 10, 100, 100 and significant figures
Solving linear equations
Angle rules – straight line, vertically opposite, around a point
Angle rules – triangle, quadrilaterals
Parallel line angle rules – corresponding, alternate and co-interior
Working with money
Non-calculator calculations with decimals
Best buy problems
Converting between standard form and ordinary numbers
Averages and range from a list – mean, median, mode and range
Direct proportion
Linear sequences and nth term
Estimating calculations
Mean, median and mode from a frequency table
Volume of cuboids
Writing a ratio in the form 1:n
Expand and simplify single brackets
Factorise algebraic expressions
Percentage profit/loss
Lowest common multiple/highest common factor of 2 numbers
Listing outcomes (probability)
Calculations with standard form
Substitute values into a formula
Sharing into a ratio
Distance-time graphs (speed, distance and time)
Calculations with fractions and mixed numbers

# PAPER 2 REVISION LIST (CALCULATOR ALLOWED)

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## Topics to revise

Metric conversions (mm, cm, m, km / mg, g, kg / ml, cl, l)
Place value
Powers of 10
Fraction of an amount
Area and perimeter of shapes
Two-way table completion
Use of a calculator
Compound growth/decay with repeated percentage change
Midpoint of a line segment given two co-ordinates
Solving inequalities
Probability trees
Percentages with a calculator
Applying Pythagoras' theorem $a^2+b^2=c^2$
Composite bar charts
Best buys
Direct proportion – unitary method
Plotting linear graphs using a table of values
Speed distance and time
Probability
Angles in a polygon
Forming and solving equations in context
Interpreting pie charts
Complex angle problems and giving correct reasons
Volume of a cylinder
Conversion graphs
Calculating with standard form
Comparing distributions using median and range

Combining 2 ratios – a:b and b:c in the form a : b : c