

**Madras College**

**mathsworkout.co.uk to help revise for:**

**National 5 Unit Assessment – Expressions and Formulae**

<b>Topic</b>	<b>Maths Workouts</b>	<b>Targets/Tasks</b>
Surds	Surds 1	Target 2, Tasks 1 - 4
Indices	Indices 1	Target 1 Tasks 5,7,9 Targets 2 - 5, All Tasks
Scientific Notation on the calculator	Standard Form	Target 4 All Tasks
Multiply out brackets	Expanding Brackets Quadratics 1	Target 1, Tasks 1 - 4, 6 - 9 Target 5, Tasks 4 - 7
Factorise – common factor	Factorising	Target 3, All Tasks
Factorise – difference of two squares	Quadratics 2	Target 2, Tasks 6 - 8
Factorise - trinomials	Quadratics 2	Target 1, Tasks 3 - 7
Completed square form of the quadratic	Quadratics 2	Target 4, Tasks 1 - 4
Algebraic Fractions	Algebraic Fractions	All Targets, All tasks
Gradient of line given two points	Straight Line 1	Target 4, Tasks 1 - 4
Volume of Sphere	Volume	Target 4, Task 4
Volume of Cone	Volume	Target 4, Task 3
Volume of a Cylinder	Volume	Target 3, Tasks 1
Significant Figures	Rounding & Estimating	Target 4, Tasks 4-12
Arc length of a Circle	Circle Geometry	Target 3, Tasks 1 - 3
Sector Area of a Circle	Circle Geometry	Target 3, Tasks 4 & 5