

**Maths summary for year 9 Standard**



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| NUMBER SKILLS |
| Topic | Lesson video link |
| Prime factor tree | <https://vle.mathswatch.co.uk/vle/browse/236> |
| LCM and HCF | <https://vle.mathswatch.co.uk/vle/browse/238><https://vle.mathswatch.co.uk/vle/browse/237> |
| Reciprocal of a number | <https://vle.mathswatch.co.uk/vle/browse/234> |
| Rounding to decimal places | <https://vle.mathswatch.co.uk/vle/browse/187> |
| Rounding to significant figures | <https://vle.mathswatch.co.uk/vle/browse/248> |
| Estimation | <https://vle.mathswatch.co.uk/vle/browse/249> |
| Percentage of a number | <https://www.loom.com/share/0aa11c104e444049a7f5c6f97fdc50a9> |
| Fractions: **+, -, x, ÷** | <https://www.loom.com/share/c00a5fe8951a49ef9fe5a77d8cfebc65> |
| ALGEBRA SKILLS |
| Expand and simplify algebraic expressions | <https://vle.mathswatch.co.uk/vle/browse/295> |
| Factorising simple expressions | <https://vle.mathswatch.co.uk/vle/browse/252> |
| Solving equations with letter on one side and both sides | <https://www.loom.com/share/87f521db507547e1a62465ca13b5db95> |
| Rearranging equations and formulae | <https://vle.mathswatch.co.uk/vle/browse/259> |
| Nth term of linear sequence | <https://vle.mathswatch.co.uk/vle/browse/261> |
| Substitution | <https://vle.mathswatch.co.uk/vle/browse/253> |
| SHAPES AND GEOMETRY |
| Basic angle facts including special triangles | <https://www.loom.com/share/dd344c851c4445f49fe2afc528a3b14b> |
| Angles on parallel lines | <https://vle.mathswatch.co.uk/vle/browse/279> |
| Pythagoras’s theorem | <https://vle.mathswatch.co.uk/vle/browse/314> |
| Area of rectangle, triangle and parallelogram | <https://www.loom.com/share/f7c0467c858f450da97fac3b20e9361c> |
| Area of a trapezium | <https://www.loom.com/share/b483cc983efe4cbe9de9877d7bbd8308> |
| Volume of prisms | <https://vle.mathswatch.co.uk/vle/browse/278> |