**Listed below are the key topics that you have learned in year 8. You should aim to revise all these topics in preparation for a brilliant start in year 9. Each topic has a corresponding video link to help you with revision.** **Please don’t forget to practice your times tables.**

**Maths summary for year 8**

|  |  |
| --- | --- |
| 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/20614fea39494c3c91b85b709eae0dee> |
| 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 | <https://www.loom.com/share/87f521db507547e1a62465ca13b5db95> |
| Rearranging equations | <https://vle.mathswatch.co.uk/vle/browse/259> |
| Nth term of linear and quadratic sequence | <https://www.loom.com/share/8c8fda1589e24860b9f9cd453e362cde> |
| Substitution | <https://vle.mathswatch.co.uk/vle/browse/253> |
| Simplifying expressions with powers(indices) | <https://vle.mathswatch.co.uk/vle/browse/184>  <https://vle.mathswatch.co.uk/vle/browse/189> |
| 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> |