



Year 8	Unit 1	21 Lessons
Aims: To consolidate and develop pupils' number skills, with particular focus on rounding, factors multiples and prime numbers, decimals, as well as relating fractions decimals and percentages. To introduce rounding to significant figures and link to error intervals.		
Key Skills Understanding the different ways same values can be represented, arithmetic with non-integer values, using appropriate estimations to get an appropriate whole number solution to problems. <ul style="list-style-type: none"> • Excellence - Identify types of number from given lists. Apply changes to calculations involving decimals using place value to determine solutions. Solve worded problems involving percentage change. • Secure - Round to significant figures, estimate values. Multiply and divide with decimals, including worded/shape problems. Add and subtract unlike fractions, convert between fractions and decimals, simplifying where appropriate. • Developing - Multiply and divide numbers by powers of 10. Round to decimal places. Add decimals in worded problems. Multiply and divide fractions. • Emerging - Write powers of 10 as numbers. Add and subtract decimals. Add and subtract like fractions. 		Literacy Links: Keywords – integer, factors, multiples, prime, significant, numerator, denominator.
		Numeracy Links: Embedded throughout.
Assessment Pre-test at the beginning of the unit to establish prior learning, post-test at the end of the unit to determine progress.		Cross-Curricular Links Links to accuracy in Science and percentage change across multiple subject areas.
		SMSC opportunities and British values Financial - money calculations within decimal work.
Opportunities for further learning		
Mymaths sections on multiples and factors, percentages, fractions and estimating and accuracy all within the NUMBER category.		