

Suggested maths topics for the Summer 2017 from Dr Edkins:

A series of home tasks have been put together, which can help you make good progress in maths. All of these tasks are supported with e-learning material, which can be accessed in the second column. There are maths mastery tasks set out in the third column.

All of these tasks can be repeated on several occasions during the holiday period.

Suggested Task	E-Learning material	Maths Mastery task
Play Hit the Button, focus on learning number bonds and times tables	www.topmarks.co.uk/maths-games/hit-the-button	http://www.doingmaths.co.uk/multiplication-and-division.html
Learn your times tables 2x to 15x	Use Hit the Button up to 12 times tables Write out the 13, 14 and 15 from www.mymathstables.com/multiplication-timestables-13to20.html Type 13 14 15 times tables into Google and this will take you to www.magicalmaths.org/easily-learn-your-13-times-tables-14-times-table-15-times-table-16-times-table-mind-blowing/	http://nrich.maths.org/6713 http://nrich.maths.org/6863 Two brilliant exercises designed to apply what you know about your times tables!
Learn the divisibility rules	Go to https://m.youtube.com/watch?v=Y1pAKJ4rf-M There is a good workbook called www.math6.org/pdf/free_workbooks/divisibility_rules_workbook.pdf	https://www.ixl.com/math/grade-4/divisibility-rules-word-problems https://www.ixl.com/math/grade-5/divisibility-rules-word-problems
Learn the prime numbers between 1 and 100	1,3,5,7,11 13, 17, 19,23, 29,31,37,41,43,47, 53,59, 61, 71, 73, 79, 83, 89, 91, 93, 97 Try this game http://www.softschools.com/math/prime_numbers/prime_numbers_up_to_100/	https://nrich.maths.org/11690 https://nrich.maths.org/12584 https://nrich.maths.org/11635

Learn how to find the Highest Common Factor	Type into Google 'HCF and LCM Hegartymaths' or type in www.youtube.com/watch?v=XJSahvUPla8	http://www.projectmaths.ie/documents/LearnCalculators/Casio/HCFAndLCMWordProblems.pdf
Learn how to find the Lowest Common Multiple	Type into Google 'HCF and LCM Hegartymaths' or type in www.youtube.com/watch?v=XJSahvUPla8	http://www.projectmaths.ie/documents/LearnCalculators/Casio/HCFAndLCMWordProblems.pdf https://www.ixl.com/math/grade-7/gcf-and-lcm-word-problems
Learn how to find the Highest Common Factor and the Lowest Common Factor using Prime Numbers	https://www.youtube.com/watch?v=3i_J_f8ZXdY http://studymaths.co.uk/keytopics/hcfandlcm.html	http://www.bbc.co.uk/schools/gcsebitesize/maths/number/primefactorshirev1.shtml https://nrich.maths.org/4947
Learn how to express percentages as an equivalent fraction and as a decimal.	https://www.youtube.com/watch?v=4x4F1qRqBlo https://www.youtube.com/watch?v=CT6lqlb7urs Learn 'off by heart' the first chart on fractions, percentages and decimals https://uk.pinterest.com/pin/408138784959734161/	http://nrich.maths.org/2312 http://nrich.maths.org/2382 http://nrich.maths.org/708
Learn how to use ratio using the box method	https://www.youtube.com/watch?v=jye-CY7EYfE https://www.youtube.com/watch?v=Ek65RkaSZps&list=PLxHVbvxhSvleRliGqHzZIIUNfHJLJSxPWu	https://www.mathplayground.com/wpdatabase/Ratio1_2.htm https://uk.ixl.com/math/year-8/compare-ratios-word-problems