

### 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	<a href="http://www.topmarks.co.uk/maths-games/hit-the-button">www.topmarks.co.uk/maths-games/hit-the-button</a>	<a href="http://www.doingmaths.co.uk/multiplication-and-division.html">http://www.doingmaths.co.uk/multiplication-and-division.html</a>
Learn your times tables 2x to 15x	Use Hit the Button up to 12 times tables Write out the 13, 14 and 15 from <a href="http://www.mymathstables.com/multiplication-timestables-13to20.html">www.mymathstables.com/multiplication-timestables-13to20.html</a> Type 13 14 15 times tables into Google and this will take you to <a href="http://www.magicalmaths.org/easily-learn-your-13-times-tables-14-times-table-15-times-table-16-times-table-mind-blowing/">www.magicalmaths.org/easily-learn-your-13-times-tables-14-times-table-15-times-table-16-times-table-mind-blowing/</a>	<a href="http://nrich.maths.org/6713">http://nrich.maths.org/6713</a> <a href="http://nrich.maths.org/6863">http://nrich.maths.org/6863</a>  Two brilliant exercises designed to apply what you know about your times tables!
Learn the divisibility rules	Go to <a href="https://m.youtube.com/watch?v=Y1pAKJ4rf-M">https://m.youtube.com/watch?v=Y1pAKJ4rf-M</a> There is a good workbook called <a href="http://www.math6.org/pdf/free_workbooks/divisibility_rules_workbook.pdf">www.math6.org/pdf/free_workbooks/divisibility_rules_workbook.pdf</a>	<a href="https://www.ixl.com/math/grade-4/divisibility-rules-word-problems">https://www.ixl.com/math/grade-4/divisibility-rules-word-problems</a> <a href="https://www.ixl.com/math/grade-5/divisibility-rules-word-problems">https://www.ixl.com/math/grade-5/divisibility-rules-word-problems</a>
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 <a href="http://www.softschools.com/math/prime_numbers/prime_numbers_up_to_100/">http://www.softschools.com/math/prime_numbers/prime_numbers_up_to_100/</a>	<a href="https://nrich.maths.org/11690">https://nrich.maths.org/11690</a> <a href="https://nrich.maths.org/12584">https://nrich.maths.org/12584</a> <a href="https://nrich.maths.org/11635">https://nrich.maths.org/11635</a>

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