

Y10 Maths Weekly Task Grid – Week commencing 8th June

This week's topic focus is **Product Rule for Counting**

Please complete all 4 tasks. There will also be a **Zoom lesson** to support with this work. Details will be on SMHW.

<p>Starter:</p> <table><tr><td>Prove that $0.\dot{1}\dot{5} + 0.\dot{1}\dot{8} = \frac{1}{3}$</td><td>Simplify $\frac{3x^2 + 13x + 4}{x^2 - 16}$</td></tr><tr><td>Securing Grade 7</td><td>Week 5</td></tr><tr><td>Prove algebraically that the difference between the squares of any two consecutive integers is equal to the sum of these two integers.</td><td>Find the nth term of this sequence 11.5 13 15.5 19 23.5</td></tr></table>	Prove that $0.\dot{1}\dot{5} + 0.\dot{1}\dot{8} = \frac{1}{3}$	Simplify $\frac{3x^2 + 13x + 4}{x^2 - 16}$	Securing Grade 7	Week 5	Prove algebraically that the difference between the squares of any two consecutive integers is equal to the sum of these two integers.	Find the nth term of this sequence 11.5 13 15.5 19 23.5	<p>Video</p> <p>You can <u>choose</u> which video you want to watch depending on which accent you prefer) on how to do Product Rule for Counting.</p> <p>Product Rule for Counting Video - Maths Genie</p> <p>Product Rule for Counting Video - Corbett Maths</p> <p>Product Rule for Counting Video - YouTube (Mr Morley Maths)</p>
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<p>Practice Questions</p> <p>You can <u>choose</u> which questions you want to use to practice Product Rule for Counting. The links to the answers are also provided so you can check them when you are finished.</p> <p>Product Rule for Counting Practice Questions - Corbett Maths Corbett Maths Practice Question ANSWERS</p> <p>Product Rule for Counting Exam Questions - Corbett Maths Corbett Maths Exam Question ANSWERS</p> <p>Product Rule for Counting Exam Questions - Maths Genie Maths Genie ANSWERS</p>	<p>Exam Question: Higher (Calculator)</p> <p>There are 14 boys and 15 girls in Maria's class. Maria is going to pick three different students from her class and write their names in a list in order. The order will be boy, girl, boy or girl, boy, girl. How many different lists can Maria write?</p>						