**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)

|  |  |
| --- | --- |
| **Starter:**  **Quick 10**  1) 23 × 17  2) Share £48 in the ratio 3:5  3) Increase 120 by 10%  4) Round 324 to 1sf  5) Estimate 19 × 47  6) Expand 2(x+3)  7) Solve 3x + 2 = 11  8) What is the LCM of 15 and 20  9) 2 + 3 × 4  10) 2/5 of 35  **Problem solving:**  Ashley chooses three different whole numbers between 1 and 50. The first number is a prime number. The second number is 4 times the first number. The third number is 6 less than the second number. The sum of the three numbers is greater than 57. What could Ashley’s numbers be? | **Video on how to do it**  ***Try to attend the zoom lesson first…***  You can choose which video you want to watch to refresh your memory on how to do Product Rule for Counting.  [Product Rule for Counting Video - Maths Genie](https://www.mathsgenie.co.uk/product-rule-for-counting.html)  [Product Rule for Counting Video - Corbett Maths](https://corbettmaths.com/2016/09/18/17416/)  [Product Rule for Counting Video - Youtube (Mr Morley Maths)](https://www.youtube.com/watch?v=N9VG9Px1Gk0) |
| **Practice Questions**  You can choose 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.  [Product Rule for Counting Practice Questions - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2019/10/Product-Rule-for-Counting-Textbook.pdf)  [Corbett Maths Practice Question ASNWERS](https://corbettmaths.com/wp-content/uploads/2019/10/Answers-Product-Rule-for-Counting-pdf.pdf)  [Product Rule for Counting Exam Questions - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2019/10/Product-Rule-for-Counting.pdf)  [Corbett Maths Exam Question ANSWERS](https://corbettmaths.com/wp-content/uploads/2019/10/Product-Rule-for-Counting-Answers.pdf)  [Product Rule for Counting Exam Questions - Maths Genie](https://www.mathsgenie.co.uk/resources/6-product-rule-ws.pdf)  [Maths Genie ANSWERS](https://www.mathsgenie.co.uk/resources/6-product-ruleans.pdf) | **Exam Question: Higher (Calculator)**  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? |