**Y10 Maths Weekly Task Grid – Week commencing 22nd June**

This week’s topic focus is **Area under a Graph**

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

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| **Starter:**  **Quick 10:**  1) 6.5 × 4.3  2) Share £24 in the ratio 7:1  3) Decrease 90 by  4) 9 – 20 ÷ 5 +  5) 7 pens cost 84p, how much would 11 pens cost?  6) Expand 3x(x + 2)  7) Solve 4x + 11 = 13  8) What is the HCF of 12 and 18  9) Factorise fully 18x²+12x  10)  **Problem Solving:**  Ed has 4 cards. There is a number on each card. The mean of the 4 numbers on Ed’s cards is 10. Work out the number on the 4th card. | **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 Area under a Graph  [Area Under a Graph Video - Corbett Maths](https://corbettmaths.com/2018/01/31/area-under-a-graph/)  [Velocity - Time Graphs Video - Maths Genie](https://www.mathsgenie.co.uk/velocity-time-graphs.html)  [Area Under a Graph Video - YouTube (MrsSinghalMaths)](https://www.youtube.com/watch?v=Yio4HbkQvkA)  [Velocity - Time Graphs Video - YouTube (Cognito)](https://www.youtube.com/watch?v=b0VKlpetP9A) |
| **Practice Questions**  You can choose which questions you want to use to practice Area under a Graph. The links to the answers are also provided so you can check them when you are finished.  [Area under a Graph Textbook Exercise - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2019/04/Area-under-a-Graph-textbook.pdf)  [Textbook Exercise ANSWERS - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2019/04/Area-Under-a-Graph.pdf)  [Area Under a Graph Practice Questions - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2018/04/area-under-a-graph1.pdf)  [Practice Question ANSWERS - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2015/03/area-under-a-graph1.pdf)  [Area under a curve - My Maths Online Homework](https://app.mymaths.co.uk/1783-homework/area-under-a-curve) | **Exam Question (Higher):**  Exam question on the following page.  A bit of a helping hand…split the graph into 5 strips. |

