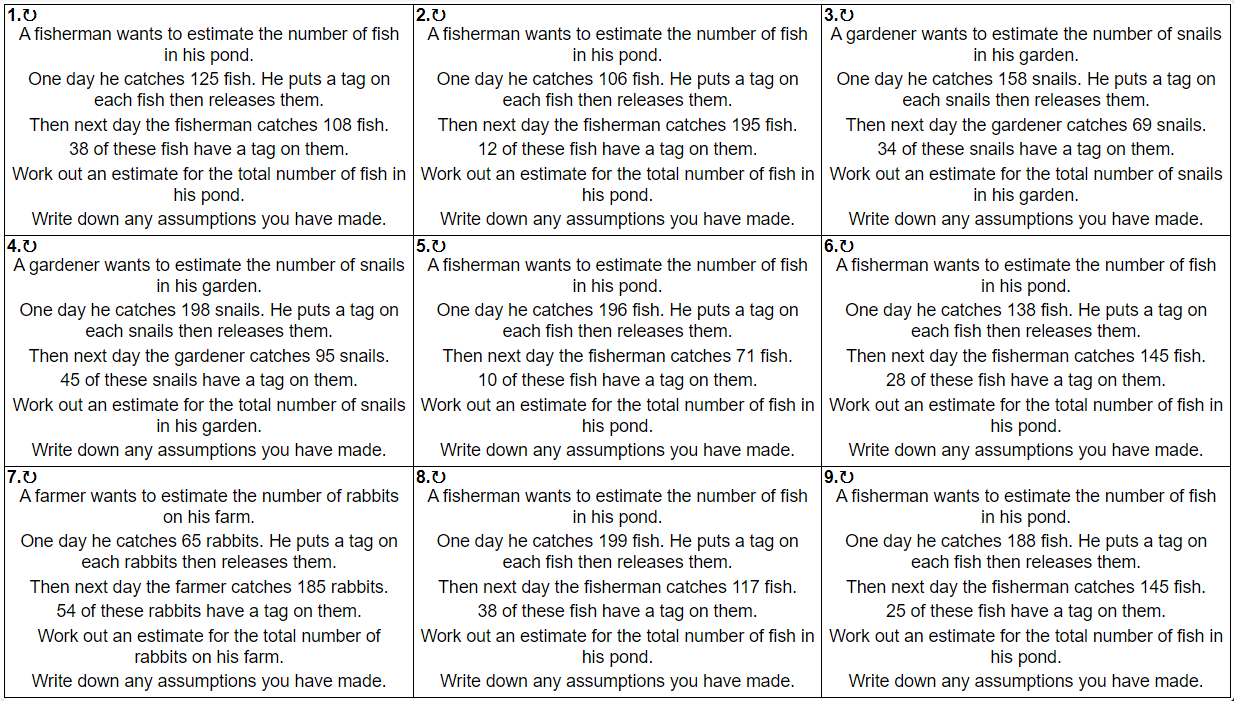
**Y10 Maths Weekly Task Grid – Week commencing 15th June**

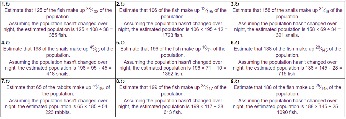
This week’s topic focus is **Capture Recapture**

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) 19 × 57  2) Share £42 in the ratio 2:5  3) Decrease 90 by 20%  4) Round 459 to 1sf  5) Estimate 8.7 × 5.6  6) Expand x(x+2)  7) Solve 5x – 1 = 29  8) What is the LCM of 12 and 16  9) 7 – 2 × 4  10) 27 of 28  **Problem Solving:**  Ben, Sally and Karen pick apples. Sally picks twice as many apples as Ben. Karen picks nine more apples than Sally. They pick a total of 94 apples. How many apples does Ben pick? | **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 Capture Recapture  [Capture Recapture Video - Corbett Maths](https://corbettmaths.com/2017/05/17/capture-recapture/)  [Capture Recapture Exam Question Video - YouTube](https://www.youtube.com/watch?v=7rPKSdM09Mk&feature=youtu.be)  [Capture Recapture Video - YouTube (Mr Jeffery)](https://www.youtube.com/watch?v=GEG6Zf6oO5Y) |
| **Practice Questions**  You can choose which questions you want to use to practice Capture Recapture. The links to the answers are also provided so you can check them when you are finished.  [Capture Recapture Questions - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2018/09/Capture-Recapture-pdf.pdf)  [Capture Recapture ANSWERS - Corbett Maths](https://corbettmaths.com/2018/09/11/capture-recapture-answers/)  [Capture Recapture Activity - NRICH](https://nrich.maths.org/9609)  [Capture Recapture - MathsPad](https://www.mathspad.co.uk/i2/teach.php?id=captureRecapture)  There are also some questions on the next page from Maths Bot… | **Exam Question: Higher (Calculator)**  A fisherman wants to estimate the number of fish in his pond.  One day he catches 96 fish. He puts a tag on each fish then releases them.  Then next day the fisherman catches 98 fish.  40 of these fish have a tag on them.  Work out an estimate for the total number of fish in his pond.  Write down any assumptions you have made. |



ANSWERS TO QUESTIONS ABOVE



ANSWER TO EXAM QUESTION

