**Y10 Foundation Maths Weekly Task Grid – Week commencing 13th July**

This week’s topic focus is **Sample Space Diagrams**

Please complete all 4 tasks.

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| **Starter:**  **Quick 10:**  1) 3.7 × 7.3  2) Share £54 in the ratio 7:2  3) Decrease 80 by 14  4) 5 – 20 ÷ 10 + 36  5) 10 pens cost 120p. How much would 15 pens cost?  6) Expand 5(x−2)  7) Solve 5x – 3 = 12  8) Factorise fully 6x + 12  9) What is the LCM of 5 and 7  10)  **Problem Solving:**  5 schools sent some students to a conference. One of the schools sent both boys and girls. This school sent 16 boys. In this school the ratio of boys to girls was 1:2. The other 4 schools sent only girls. Each of the 5 schools sent the same number of students. Work out the total number of students sent to the conference by these 5 schools. | **Video on how to do it**  You can choose which video you want to watch to refresh your memory on how to do Sample Space Diagrams  [Corbett Maths – Sample Space Diagrams](https://corbettmaths.com/2013/06/18/sample-space-diagrams/)  Or  [You Tube – Sample Space Diagrams](https://www.youtube.com/watch?v=E4pGo7peiQs)  Or  [BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z33rwxs/revision/4) |
| **Practice Questions**  You can choose which questions you want to use to practice **Sample Space Diagrams**. The links to the answers are also provided so you can check them when you are finished.  [sample space diagram - Corbett Maths](https://corbettmaths.com/wp-content/uploads/2013/02/sample-spaces-pdf1.pdf)  Answers to check –  [answers](https://corbettmaths.com/wp-content/uploads/2019/08/sample-spaces.pdf)  Or  [MyMaths Lesson](https://app.mymaths.co.uk/379-lesson/listing-outcomes)  [My Maths Homework](https://app.mymaths.co.uk/379-homework/listing-outcomes) | **Exam Question Practice: Foundation**  On the next page is an exam question based on Sample Space Diagrams…. |

