

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

This week's topic focus is **Venn Diagrams**

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

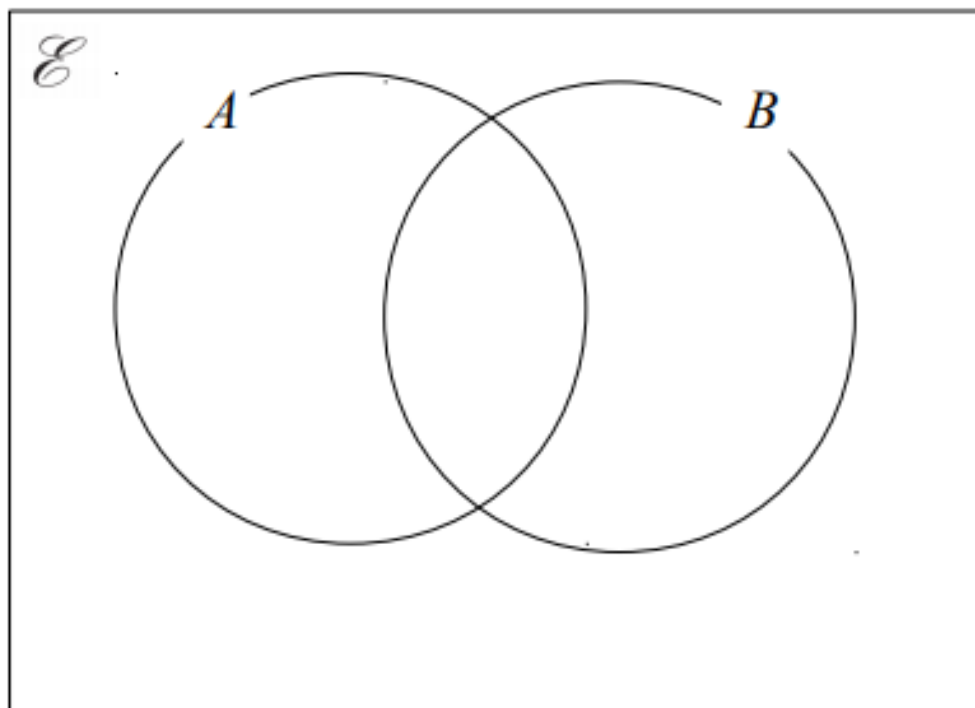
<p style="text-align: center;"><u>Starter:</u></p> <p><u>Quick 10 (no Calc)</u></p> <ol style="list-style-type: none">1) 19×572) Share £42 in the ratio 2:53) Decrease 90 by 20%4) Round 459 to 1sf5) Estimate 8.7×5.66) Expand $x(x+2)$7) Solve $5x - 1 = 29$8) What is the LCM of 12 and 169) $7 - 2 \times 4$10) 27 of 28 <p><u>Problem Solving:</u></p> <p>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?</p>	<p style="text-align: center;"><u>Video on how to do it</u></p> <p style="text-align: center;"><i>Try to attend the zoom lesson first...</i></p> <p>You can <u>choose</u> which video you want to watch to refresh your memory on how to do Scatter Graphs</p> <p>Venn Diagrams - Maths Genie</p> <p>Venn Diagrams - Corbett Maths</p>
<p style="text-align: center;"><u>Practice Questions</u></p> <p>You can <u>choose</u> which questions you want to use to practice Venn Diagrams. The links to the answers are also provided so you can check them when you are finished.</p> <p>Worksheets attached on Show My Homework – one on reading Venn diagrams and one on drawing Venn diagrams</p> <p>Or</p> <p>Venn Diagrams 1 - MyMaths - Log on with the details attached on show my homework and complete activity on scatter graphs</p> <p>Or</p> <p>Venn Diagrams 2 (Extension Activity) - MyMaths - Log on with the details attached on show my homework and complete activity set on scatter graphs</p>	<p style="text-align: center;"><u>Exam Question Practice: Foundation (Non-Calculator)</u></p> <p>Show any working out</p> <p>1)</p> <p>Brian has a recipe for 14 pancakes.</p> <p>Here is the list of ingredients:</p> <ul style="list-style-type: none">• 350ml Milk• 2 Eggs• 140g Flour <p>Brian wants to make 21 pancakes.</p> <p>(a) Write a list of ingredients for 21 pancakes.</p> <p>Max has 525g of flour and plenty of the other ingredients.</p> <p>(b) What is the maximum number of pancakes that Max can make?</p> <p>2)</p> <p>For the nth term $5n + 3$:</p> <p>(a) Write the first 5 terms of the sequence.</p> <p>(b) Show that 135 cannot be in this sequence.</p> <p>On the next page is an exam question based on Scatter graphs</p>

$\mathcal{E} = \{\text{even numbers between 1 and 31}\}$

$A = \{2, 4, 8, 14, 18, 22, 28\}$

$B = \{8, 10, 16, 18, 22, 30\}$

(a) Complete the Venn diagram to represent this information.



(4)

A number is chosen at random from the universal set, \mathcal{E}

(b) What is the probability that the number is in the set $A \cup B$?

(2)

(Total for question 11 is 6 marks)
