

# Y10 Foundation Maths Weekly Task Grid for Mr Paul's group – Week commencing 15<sup>th</sup> June

(Available to work on from 12<sup>th</sup> June)

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

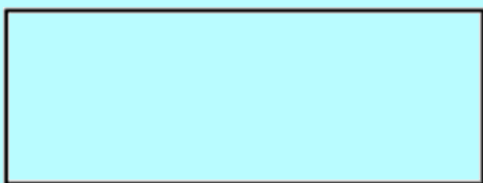
Please complete all 4 tasks. There will also be a **zoom lesson** to support with this work. (Details will be on SMHW)

## **Starter: (TASK 1)**

### **Quick 10 (no Calc)**

- 1) Write down the first 10 multiples of 7
- 2) Write in figures 'six thousand and thirty-five'
- 3) Work out  $535 + 231$
- 4) Work out  $617 - 428$
- 5) Work out  $47 \times 5$
- 6) Work out  $438 \times 100$
- 7) Simplify  $5a + 3a + a$
- 8) Solve  $x + 4 = 12$
- 9) Find the median value: 2, 7, 3, 6, 2, 1, 5
- 10) Work out the perimeter of

3 cm



12 cm

## **Video on how to do it: (TASK 2)**

*Try to attend the zoom lesson first...*

You can choose which video you want to watch to refresh your memory on how to do Scatter Graphs

[Venn Diagrams - Maths Genie](#)

[Venn Diagrams - Corbett Maths](#)

[Venn Diagrams - YouTube](#)

## **Practice Questions: (TASK 3)**

You can choose 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.

Worksheets attached on Show My Homework – one on reading Venn diagrams and one on drawing Venn diagrams

Or

**Venn Diagrams 1 - MyMaths** - Log on with the details attached on show my homework and complete activity on scatter graphs

## **Exam Question Practice: Foundation (Non-Calculator): (TASK 4)**

Show any working out

1)

Omar is making Shortbread for 16 people.  
He has found this recipe on a website.

### **Shortbread**

Serves 8

Butter	150g
Caster Sugar	75g
Plain Flour	175g
Cornflour	50g

How much of each ingredient will he need for 16 people?

2)

For the  $n$ th term  $5n + 3$ :

(a) Write the first 5 terms of the sequence.

(b) Show that 135 cannot be in this sequence.

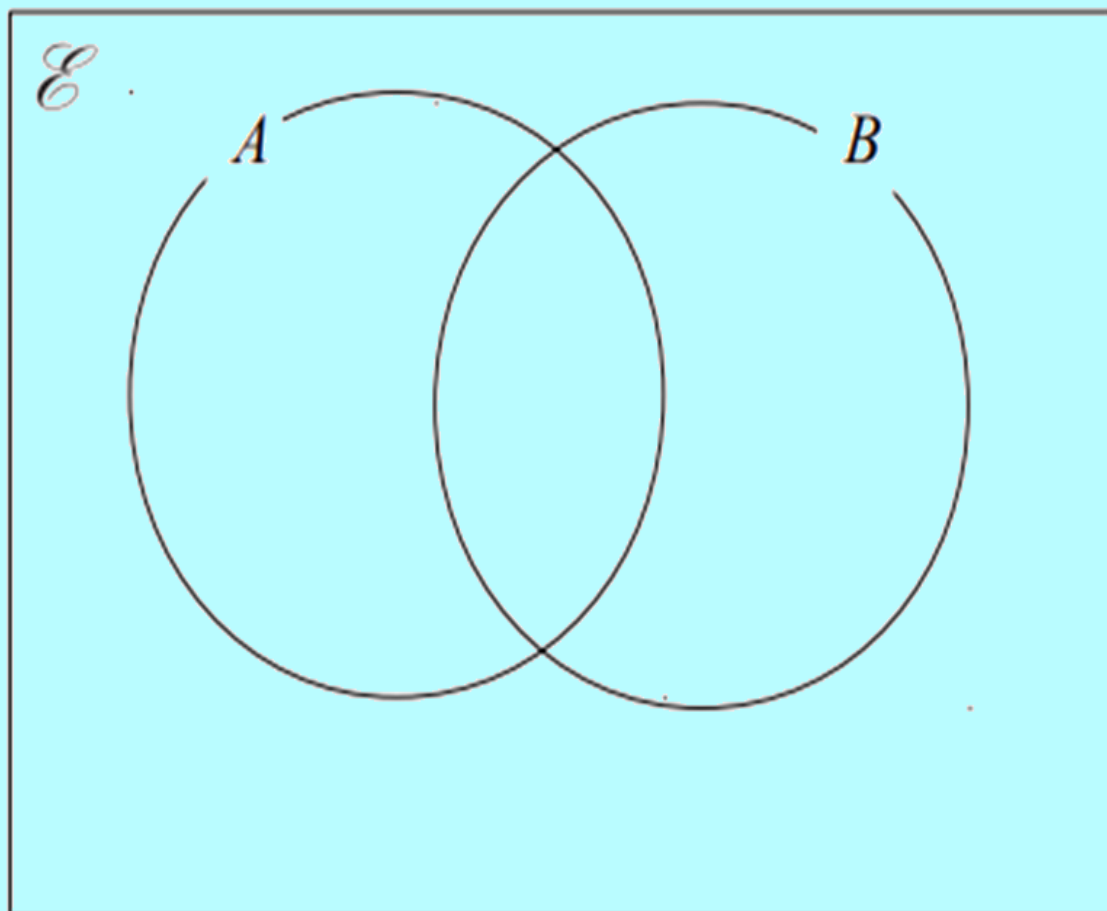
On the next page is an exam question based on Venn Diagrams

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

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

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

(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)**