

Maths Parent Forum

Tuesday, 5th November 2024

- Maths lessons
- Complete Maths Classroom
- Complete Maths Tutor
- Other online resources
- GCSE support
- Questions

Maths lessons

- 'Do Now' task
- Introduce new topic/continue with topic
- VIPs
- Examples copied into books
- Questions on topic
- Date range quiz
- Prerequisite quiz

Complete Maths Classroom

CLASSROOM

HOME

TIMETABLE

LEARNING DIARY

ASSIGNMENTS

RESULTS

CURRICULUM

TIMES TABLES

MANIPULATIVES

September 2024 < >

M	T	W	T	F	S	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

Key

- No Content in Lesson
- Content in Lesson
- Lesson contains quiz

Period	Monday 9/9	Tuesday 10/9	Wednesday 11/9	Thursday 12/9	Friday 13/9
1					
2			Maths Mr G Jones	Maths Mr G Jones	
3	Maths Mr G Jones				
4					
5					Maths Mr G Jones

Complete Maths Classroom

MATHS - 9MAA

Mr G Jones

Wed 11th September 2024, Period 2

OBJECTIVES

OBJECTIVE

Enumerate a Venn Diagram

OBJECTIVE

Find the Number of Elements in the Combinations of Unions and Combinations of Sets

TEACHER NOTES



Nothing here.

Your teacher hasn't added any notes to this lesson yet.

EXPAND

OBJECTIVE

Enumerate a Venn Diagram

[OVERVIEW](#)

[PREREQUISITES & DEPENDANTS](#)

[MISCONCEPTIONS](#)

[KEY VOCAB](#)

[EXAMPLE QUESTIONS](#)

[RESOURCES](#)

[TUTORIALS](#)

[CLASSWORK](#)

[HOMEWORK](#)

[ASSESS](#)

DESCRIPTION

The objective is give students experience with enumerating Venn diagrams containing two or three sets which are intersecting. For examples, students should be comfortable in creating and populating a Venn Diagram given a set of data or a series of statements.

CONTEXT

Mathematical Strand

PROBABILITY AND STATISTICS

Mathematical Group

PROBABILITY

Recommended Teaching Time

~1 HR

Complete Mathematics Unit

8.4 - SETS AND UNIONS

Mathematical Statement

USING TABLES, GRIDS, VENN AND CARROLL DIAGRAMS FOR SETS AND UNIONS

Complete Maths Classroom

OVERVIEW PREREQUISITES & DEPENDANTS MISCONCEPTIONS KEY VOCAB EXAMPLE QUESTIONS RESOURCES TUTORIALS

CLASSWORK HOMEWORK ASSESS

Below are some example questions which should give you an idea of what to expect from the objective.

TYPICAL QUESTION

A survey on a group of 100 school students about the TV programmes they watched revealed that 21 watched the news, 56 watched soaps and 15 watched the news and soaps.

Given that $N = \{\text{students that watch the news}\}$ and $S = \{\text{students that watch soaps}\}$ enumerate the Venn diagram below and use it to answer the following questions:

What is the numerical value of **a)** x , **b)** z , **c)** y and **d)** w ?

PROBING QUESTION

In response to a survey about pets, it was discovered that 34 students had a cat, 47 had a dog, 10 had a cat and a dog, and 78 did not have a cat or a dog.

Using $C = \{\text{students that have a cat}\}$ and $D = \{\text{students that have a dog}\}$, put this information onto a Venn diagram and use it to find the number of students involved in the survey.

[Show solution](#)

HARD QUESTION

PROBING QUESTION

On a school camp, students are asked to note down the different animals that they see.

At the end of the camp, 55 students say that they have seen a fox 56 students say that they have seen a squirrel 78 students say that they have seen a rabbit 27 students say that they have seen a fox and a squirrel 30 students say that they have seen a fox and a rabbit 18 students say that they have seen a squirrel and a rabbit 12 students say that they have seen a fox, squirrel and

Complete Maths Classroom

OVERVIEW PREREQUISITES & DEPENDANTS MISCONCEPTIONS KEY VOCAB EXAMPLE QUESTIONS RESOURCES TUTORIALS

CLASSWORK HOMEWORK ASSESS

How to Use a Venn Diagram to Solve a Word Problem Part 2

HOOK VIDEO

VIEW

Enumerate a Venn Diagram

HOOK VIDEO

VIEW

Using a Venn Diagram to Solve a Word Problem Part 1

HOOK VIDEO

VIEW

Enumerating Venn Diagrams

WORKSHEET PDF

VIEW

Enumerate Venn Diagrams with Two and Three Sets

HOOK PPTX

VIEW

DrA - Three Set Practical Venn Problems

WORKSHEET URL

VIEW

DrA - Two Set Practical Venn Problems

WORKSHEET URL

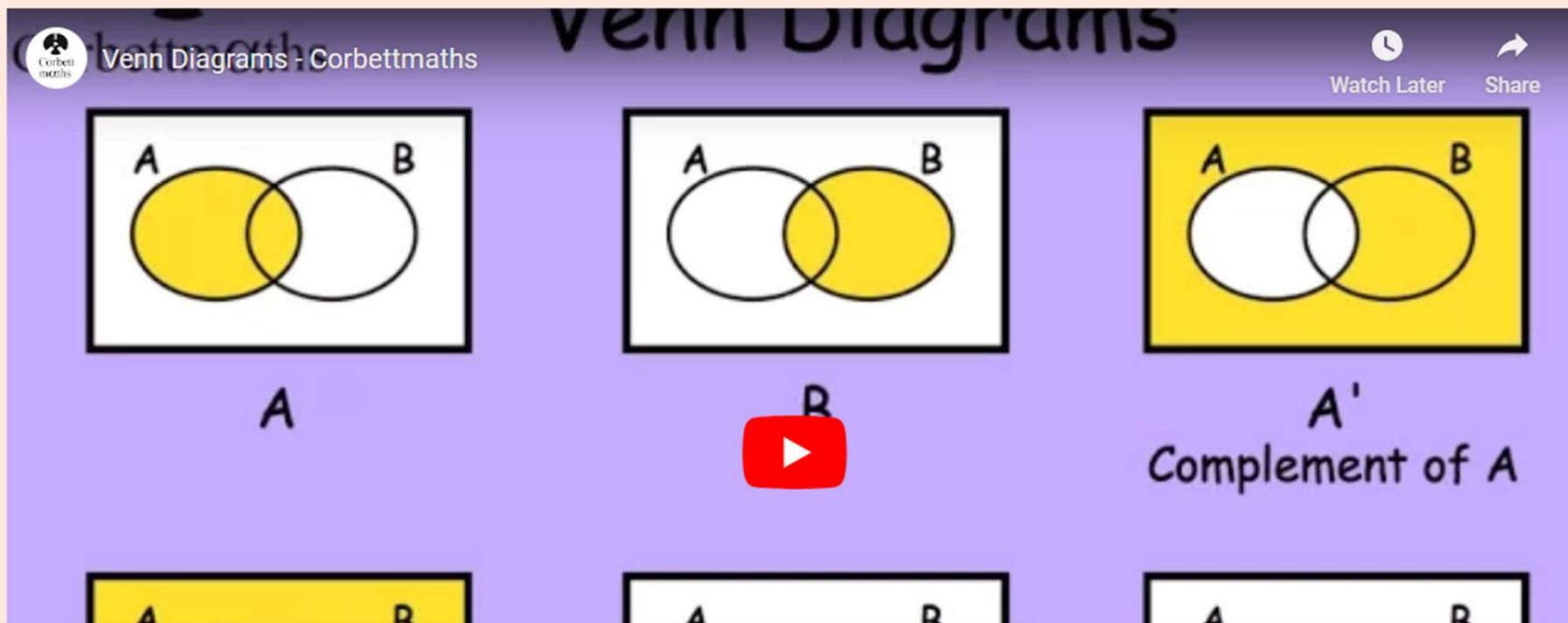
VIEW

Complete Maths Classroom

[OVERVIEW](#) [PREREQUISITES & DEPENDANTS](#) [MISCONCEPTIONS](#) [KEY VOCAB](#) [EXAMPLE QUESTIONS](#) [RESOURCES](#) [TUTORIALS](#)

[CLASSWORK](#) [HOMEWORK](#) [ASSESS](#)

Here is a collection of YouTube tutorials relevant to this mathematical concept



Venn Diagrams - Corbettmaths

Watch Later Share

A

B

A'
Complement of A

The video player displays three Venn diagrams illustrating set operations. The first diagram shows set A shaded yellow. The second diagram shows set B shaded yellow. The third diagram shows the complement of set A shaded yellow. A red play button is overlaid on the second diagram.

Complete Maths Classroom

CLASSROOM

HOME

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ASSIGNMENTS

RESULTS

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SHOW INCOMPLETE QUIZZES



Results

Assessment ↓↑	Date ↓↑	Marks / % ↓↑	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13
Date Range - Summer EOY	02/07/24	38/45	0/1	1/1	2/2	1/1	2/3	3/3	1/1	1/1	1/1	1/1	0/1	3/3	2/2
Date range - 18.06.24	18/06/24	12/16	1/1	1/1	1/1	1/1	3/3	2/3	1/1	1/1	0/1	0/1	1/1	0/1	
Prerequisite 8.1	04/06/24	26/31	4/4	0/2	1/1	1/1	1/1	1/1	2/2	1/1	1/1	1/2	1/1	2/2	2/2
Date range: 21/05/24	21/05/24	20/26	1/1	1/1	3/3	1/2	1/1	0/1	2/2	1/2	2/2	2/2	1/1	4/6	0/1
Date Range 07/05/24 - Ratios and labelling sides ar 07/05/24		17/20	1/1	1/1	1/1	1/2	1/1	1/1	4/4	1/1	1/1	1/1	1/1	0/1	1/1
Date range: 16/04/24	16/04/24	12/25	1/1	1/1	1/2	1/1	1/1	0/1	1/1	1/1	1/1	2/2	0/1	0/3	0/3

Date Range Quiz Checklist

Once you have finished the quiz, all work in **red pen**

- Mark your answers
- Write your score next to the title

Less than 100%

- You need to do the following:
- Re-try any wrong answers and do the **similar question**
 - Write your **Areas for Improvement**

100%

- Try the **hard questions**

Go to TUTOR

Complete Maths Classroom

[View my answer](#)

[View similar questions](#)

[Learn more](#)

Question

2 / 3

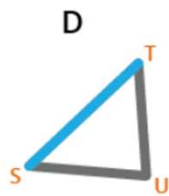
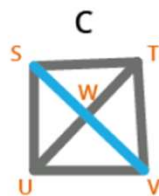
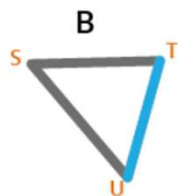
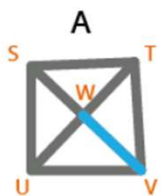
Below are some shapes. In each shape, some of the lines are coloured blue or green.

PART (A)

PART (B)

PART (C)

Which of the images below has a blue line segment that could be labelled WW?



Answer



Image A

Your Answer

Correct



Image B

Incorrect



Image C

Your Answer

Incorrect



Image D

Incorrect

Complete Maths Classroom

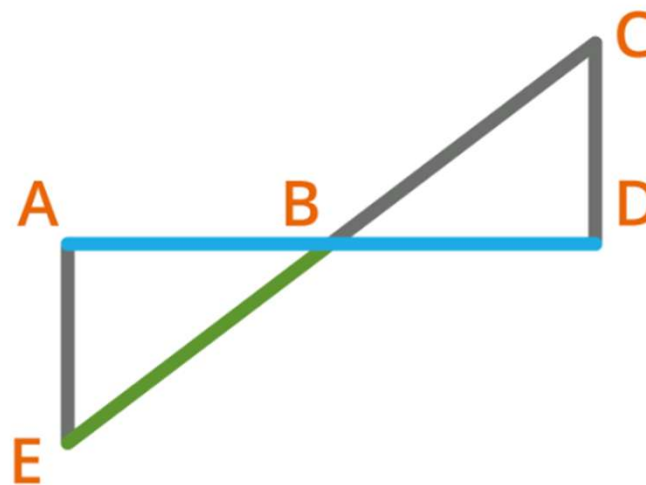
[View my answer](#)

[View similar questions](#)

[Learn more](#)

Typical Question

Identify the blue line segment in the image below.



[Solution](#)

Complete Maths Classroom

[View my answer](#)

[View similar questions](#)

[Learn more](#)

OBJECTIVE

Standard Conventions for Labelling and Identifying Side Lengths

[OVERVIEW](#)

[PREREQUISITES & DEPENDANTS](#)

[MISCONCEPTIONS](#)

[KEY VOCAB](#)

[EXAMPLE QUESTIONS](#)

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DESCRIPTION

The objective is for students to use standard conventions for labelling, and for identifying, side lengths. For example, students should be able to recognise that AB refers to the line segment joining points A and B. If asked, they should also be able to give 'AB' as a label for the line segment joining points A and B.

CONTEXT

Mathematical Strand
GEOMETRY AND MEASURES

Mathematical Group
GEOMETRICAL NOTATION

Complete Mathematics Unit
7.14 - CONGRUENCE AND SCALE DRAWING

Mathematical Statement
UNDERSTANDING SIMILARITY AND CONGRUENCE

Recommended Teaching Time
~1 HR

Complete Maths Tutor

 TUTOR



My Courses

Course



Stage 8 - Part 1

4 Ideas

19 Goals

START →

Course



Stage 8 - Part 2

4 Ideas

18 Goals

My Experience

Level 2

503/800



My Awards



Level 1



Level 1



Level 1

SEE
ALL



My Mathematical Universe

Complete Maths Tutor

Idea
Considering fractions and percentages as operators
● 0/1 goals complete
START

Idea
Working with percentages and percentage changes using fractions or decimals
●●●●●●●●●● 0/9 goals complete
START

Idea
Finding the nth term of an arithmetic sequence
●●●●● 0/4 goals complete
START

Finding the nth term of an arithmetic sequence
●●●●● 0/4 goals complete

GOAL
Recognising arithmetic sequences and generating them from the nth term
START 0 steps complete

GOAL
Finding the nth term of an Arithmetic Sequence
START 0 steps complete

GOAL
Finding and Using the nth Term of an Arithmetic Sequence
START 0 steps complete

Get Ready Learn Do Quiz

Get Ready

There is some maths that you need to know before starting this goal.

CHECK IF YOU'RE READY

NEED TO KNOW
Ordering Fractions

NEED TO KNOW
Multiplying Integers

Complete Maths Tutor

Get Ready

There is some maths that you need to know before starting this goal.

Learn

In this lesson video, you will learn all the key facts that will help you progress through this goal.

Do

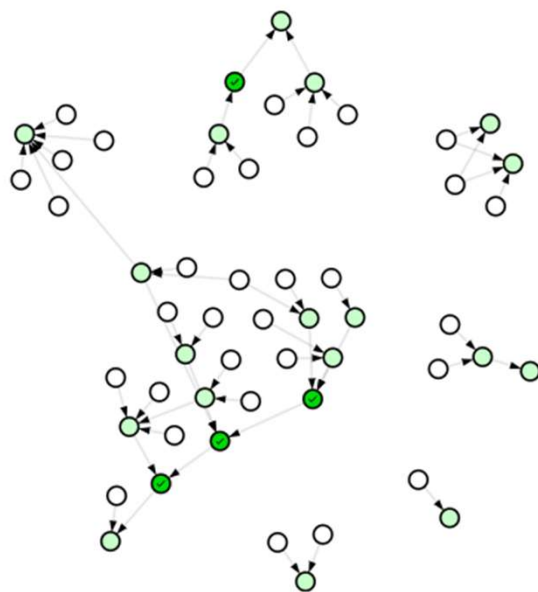
Watch these worked examples and have a go at some problems yourself.

Goal Quiz

Test your knowledge of this maths.
Get every question correct to complete this Goal.

Complete Maths Tutor

My Mathematical Universe



 EXPLORE

Other online resources



Welcome To
MathsPad

Search Resources...

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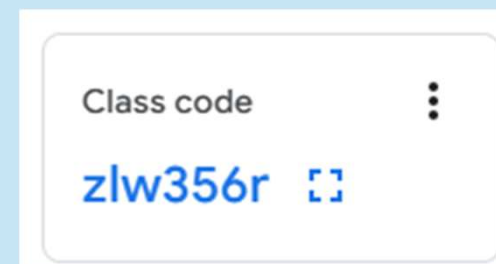
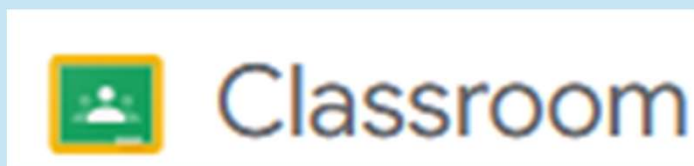
User Name

Password

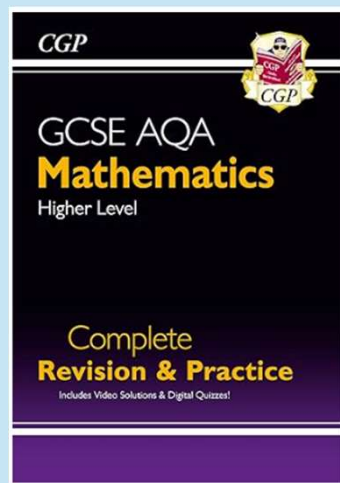
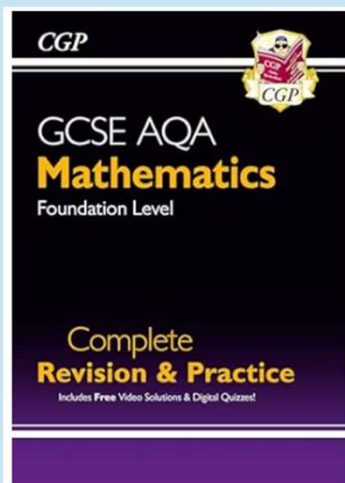


GCSE support

- Revision sessions - Tuesday after school and Friday lunchtime



- Practice papers and mark schemes



Any questions?