

# GCSE: Mathematics

## Year 10 Term 1.1



### Unit of study

#### Specification

##### Week 1 to 4

##### **Congruence, similarity and enlargement.**

- Understand the difference between congruence and similarity
- Enlarge a shape about a given point; understand and use similarity
- Find missing sides in similar shapes including pairs of similar triangles
- Understand and use the conditions for a pair of congruent triangles

##### Week 5 to 7

##### **Trigonometry**

- Understand trigonometric ratios
- Work out missing lengths and angles in right-angled triangles
- Know and use the exact values of key angles

##### Week 8

##### **Half-Term**

June 2017 Paper 1 Exam Practice

#### Aims & Objectives:

To practice questions that are similar to exam questions that will be based on the topics studied this half-term with some prior topics included too.

To recall key knowledge so that pupils can revise successfully and increase their long-term memory, in order to be successful when completing both mock and GCSE examinations.

#### Types of tasks to expect:

A set of exam style online questions that will be based on current learning with some prior learning included. Pupils are encouraged to have their full Maths equipment plus a notepad when completing these tasks as method is extremely important in Maths. Each weekly task should take no longer than 1 hour to complete. If pupils complete the task with time to spare then they should be encouraged to look at the revision links opposite.

#### Where?

[www.MathsWatch.vle](http://www.MathsWatch.vle)

Login: Gmail address  
Password: shevington

#### When?

Weekly: Set every Wednesday and due the following Wednesday

#### Feedback

Feedback is instant for pupils and there is a feedback function that pupils can use to initiate feedback and interact with the class teacher in order to get support on questions they may be struggling with.

#### Revision links:

**Online Weekly Maths Tuition**



[GCSE Revision \(hannahkettlemaths.co.uk\)](http://hannahkettlemaths.co.uk)

**Printable Exam Practice**



<https://www.mathsgenie.co.uk/>



[1st Class Maths - Free online GCSE Maths Revision](#)

**How do I revise for my Maths GCSE?**



[How do I revise for my GCSE Maths? - Corbettmaths](#)

