

# GCSE: Mathematics

## Year 10 Term 2.2



### Unit of study

#### Specification

##### Week 26 to 27

##### **Ratio and fractions**

- Use ratios, including with mixed units
- Fractions in ratios
- Fractions from ratios
- Combining ratios
- Unit pricing ('best buys')
- Currency conversions

##### Week 28 to 29

##### **Percentages and interest**

- Convert fractions, decimals and percentages
- Find percentages and percentage changes
- Find one number as a percentage of another
- Calculate simple and compound interest
- Evaluate exponential change e.g. depreciation
- Find original values

##### Week 30 to 31

##### **Probability**

- Review of single event probability – comparing theoretical and experimental
- Understand and work with mutually exclusive and independent events
- Construct and interpret tree diagrams
- Find probabilities from frequency trees, tables and Venn diagrams

##### Week 32 to 33

##### **Easter Holidays**

Nov 2017 Paper 2 & 3 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.

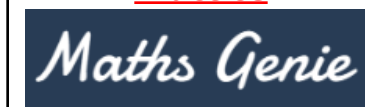
#### Revision links:

**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](#)

