

**Welcome to Core maths!** The tasks below are designed to support and prepare you to start the course.

### Folder Preparation

So that you are ready for September, please get yourself a folder for core maths and some dividers. All the work you do should be filed in this folder under a section entitled Preparation work.

The rest of the folder will be organised in September when you start.



### Problem Solving – How Many Steps?

How far would an average person walk in their life time?

You need to produce a PowerPoint to show your solution. It must

- State clearly all the **assumptions** you are making and (if relevant) how you have come to make them.
- Show your calculations (explaining clearly what calculation you are doing and why).
- Show a final answer
- Put this in a context that 'means something'. How far would you actually get if you walked that distance in 'one go'?



### **You may use a calculator.**

There is no one correct answer to this. The important part of the work is to show your thinking to get to your answer.

Please print copies of your slides and put in your folder ready for the first lesson in September.

## Level 3 certificate Preparation Work

### Consolidation of GCSE

Revise percentages – click on the link for the questions, either print off the questions or write the answers on paper. If you need a reminder the video should help. Make sure you mark your work when you have finished one section using the solutions and green pen any corrections before filing your work ready to bring in.



Date completed	Topic area	questions	solutions	Help video	RAG rate
	Percentage multipliers	<a href="#">questions</a>	<a href="#">solutions</a>	<a href="#">video</a>	
	Compound interest	<a href="#">questions</a>	<a href="#">solutions</a>	<a href="#">video</a>	
	Percentage change	<a href="#">questions</a>	<a href="#">solutions</a>	<a href="#">video</a>	
	Taxes	See below for details			
	How many steps?	See previous page for details			

### Research on Tax

How many different taxes are there in the UK?  
 Research the what taxes you might pay in the future  
 – write a list of all the different taxes you can find and when/ who pays them.  
 Make sure you file your work in your folder.

