# MATHS WEEK ENGLAND

## 8th - 12th November 2021

To celebrate Math's week, below is a range of competitions to complete at home. If you would like to be in with a chance of a prize then please return them to Miss Lodge by the 12th November!

Create a poster or video (about 2 minutes in length) which shows **how people have worked together to solve a problem in the real world,** where the solution involves the use of mathematics.

Have a go at getting out of the tricky escape room:

Year 3,4,5:

https://view.genial.ly/61605e1b99bd960dd1b30728/interactive-content-the-bullion-heist-level-2-mwe-edition

Year 6:

https://view.genial.ly/61605e1b99bd960dd1b30728/interactive-content-the-bullion-heist-level-2-mwe-edition

There will also be a special TT Rockstars Competition for

Maths week when you login this week.



## PAGE NUMBERS PROBLEM

If you have 12 pages in a booklet, you will have 15 digits, that is: 1-2-3-4-5-6-7-8-9-1-0-1-1-1-2 = 15 digits

If you have 21 digits, the number of pages will be 15: 1-2-3-4-5-6-7-8-9-1-0-1-1-1-2-1-3-1-4-1-5 = 21 digits / 15 pages

a) How many pages will a booklet have if the page numbers are made up of 25 digits altogether?

b) In my book I counted 20 pages - how many digits will there be ?

c) How many pages will a booklet have if the page numbers are made up of 53 digits altogether?

d) In my book I counted 89 pages - how many digits will there be ?

e) How many pages will a book have if the page numbers are made up of 190 digits altogether ?