



St George's College
WEYBRIDGE

Maths Quest 4

Part A: Subtracting to 2008

In this subtraction, P , Q , R and S are digits. What is the value of $P + Q + R + S$?

$$\begin{array}{r} 8\ Q\ 0\ S \\ -\ P\ 0\ R\ 2 \\ \hline 2\ 0\ 0\ 8 \end{array}$$

Part B: TWO & TWO

Each of the different letters below stands for a different number.

$$\begin{array}{r} \text{TWO} \\ + \text{TWO} \\ \hline \text{FOUR} \end{array}$$

Can you find ONE solution to this cryptarithm?

Are there more than one solution? If so, how many can you find?

How can you be sure you have found them all?

Please e-mail Dr Grant with your solutions by **Friday 28 April 2017** and don't forget to include your name and your school's name.

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All correct entries will be displayed on the St George's Weybridge website.