

## 500 problem

Here's a **subtraction** problem. The numbers **a** and **b** stand for digits. If the two subtraction sums give the same answer, what digits do **a** and **b** stand for?

$$\begin{array}{r} 500 \\ -ab5 \\ \hline \end{array}$$

$$\begin{array}{r} 5ab \\ -500 \\ \hline \end{array}$$