

Year 3/4 Expanded Column Method for Addition

- ① Partition each number ② Add units, then tens, then hundreds

$$\begin{array}{r} 529 \rightarrow 500 + 20 + 9 \\ + 395 \rightarrow 300 + 90 + 5 \\ \hline 924 \leftarrow 800 + 110 + 14 \end{array}$$



↑

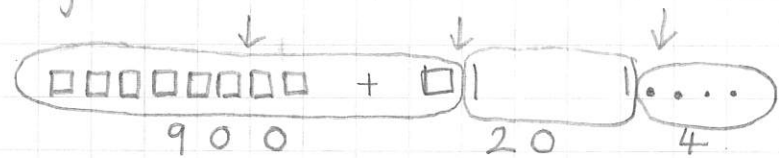
④

Recombine the units, tens and hundreds to find your answer



Draw dienes again to help you if you find this tricky

$$800 + 110 + 14$$



- ③ Draw dienes to help you add in each column

Checking your addition with a subtraction

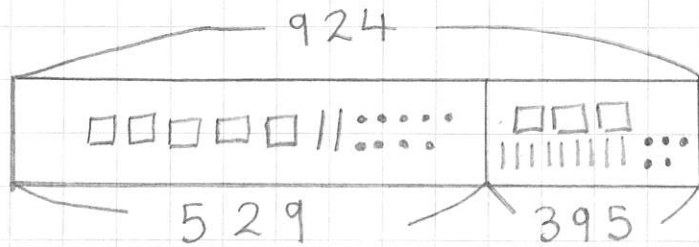
- ① Use your answer from the addition calculation

- ② Take away the smallest number

$$\begin{array}{r} 924 \rightarrow 800 + 110 + 14 \\ - 395 \rightarrow 300 + 90 + 5 \\ \hline 529 \rightarrow 500 + 20 + 9 \end{array}$$

- ③ If your answer to the subtraction is the largest number that you added (all 3 numbers match) then you are probably correct. If the numbers do not match - try to spot where you have made mistakes.

A bar model can help you to see the relationship between addition and subtraction



$$\begin{array}{l} 529 + 395 = 924 \\ 395 + 529 = 924 \\ 924 - 395 = 529 \\ 924 - 529 = 395 \end{array}$$