

Layer 1 – Solve the fluency questions below.

$$\begin{array}{r} 1 \quad 4 \quad 6 \quad 3 \\ + 8 \quad 3 \quad 3 \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \quad 0 \quad 5 \quad 3 \\ + 4 \quad 6 \quad 8 \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 1 \quad 4 \quad 6 \\ + 3 \quad 7 \quad 5 \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 6 \quad 7 \quad 8 \\ + 4 \quad 3 \quad 8 \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 6 \quad 4 \quad 8 \\ + 4 \quad 2 \quad 5 \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 2 \quad 9 \quad 4 \\ + 3 \quad 1 \quad 1 \quad 7 \\ \hline \end{array}$$

$$1871 + 9 = \boxed{} + 10 = \boxed{}$$

$$2998 + 52 = \boxed{} + \boxed{} = \boxed{}$$

$$5998 + 1112 = \boxed{} + \boxed{} = \boxed{}$$

$$82 + 1999 = \boxed{} + \boxed{} = \boxed{}$$

Layer 2 - Wallace has this number sentence to solve:

$$398 + 4526 =$$

What is the best strategy to solve this? Why?

Layer 3 – Pick a strategy to solve these word problems and show your workings.

1. Daniel buys a new laptop costing £1,265. He also buys a new mobile phone costing £492. What is the total cost? His friend, Paul, buys a smart watch for £342. How much money have they spent altogether?

2. Elton has 1997 Pokemon cards and 346 Match Attax cards. How many trading cards does he have altogether? His sister has started collecting Pokemon cards too and has 228. How many do they have altogether?

Greater Depth – What is the missing 4 digit number?

$$\begin{array}{r} \boxed{?} \boxed{?} \boxed{?} \boxed{?} \\ + \boxed{6} \boxed{3} \boxed{9} \boxed{5} \\ \hline \boxed{8} \boxed{9} \boxed{4} \boxed{9} \\ \hline 1 \end{array}$$