

Addition mental strategies – split strategy version 1

When adding large numbers in our heads, it can be easier to split one of the numbers into parts and add each part separately.

$$57 + 46 \begin{cases} 40 \\ 6 \end{cases} \longrightarrow 57 + 40 = 97 \longrightarrow 97 + 6 = 103$$

1 Practise separating these numbers into tens and ones. The first one has been done for you.

a $22 \begin{cases} 20 \\ 2 \end{cases}$

b $57 \begin{cases} \square \\ \square \end{cases}$

c $65 \begin{cases} \square \\ \square \end{cases}$

d $96 \begin{cases} \square \\ \square \end{cases}$

2 Practise adding tens to these numbers:

+	10	50	20	30	60
21					
48					

3 Use the split strategy with these problems:

a $38 + 34 \begin{cases} \square \\ \square \end{cases} \longrightarrow \square \longrightarrow \square$

b $29 + 28 \begin{cases} \square \\ \square \end{cases} \longrightarrow \square \longrightarrow \square$

c $75 + 14 \begin{cases} \square \\ \square \end{cases} \longrightarrow \square \longrightarrow \square$

d $94 + 17 \begin{cases} \square \\ \square \end{cases} \longrightarrow \square \longrightarrow \square$