

Lesson 3: Adding pairs of 3-digit numbers (1)

- Estimate and add pairs of 3-digit numbers

1 Use the making 10 strategy to find the sum of each calculation. Decide which number you will make into a multiple of 10.

a $137 + 26 =$ b $126 + 47 =$
 c $154 + 38 =$ d $125 + 67 =$

2 Use the expanded written method to work out the answers. Estimate first.

My estimate is	My estimate is	My estimate is	My estimate is
a	b	c	d
$\begin{array}{r} 377 \\ + 316 \\ \hline \end{array}$	$\begin{array}{r} 436 \\ + 246 \\ \hline \end{array}$	$\begin{array}{r} 648 \\ + 235 \\ \hline \end{array}$	$\begin{array}{r} 725 \\ + 246 \\ \hline \end{array}$

3 Use the ~~making 10 strategy~~ to work out the answers. Estimate first.

a My estimate is $347 + 198 =$ Formal method
 b My estimate is $436 + 229 =$ Formal method
 c My estimate is $538 + 227 =$ Formal method
 d My estimate is $636 + 148 =$ Formal method

Explain this strategy.

4 Use the formal written method to work out the answers. Estimate first.

a $427 + 384$ My estimate is	b $546 + 247$ My estimate is	c $426 + 457$ My estimate is	d $637 + 248$ My estimate is
$\begin{array}{r} 427 \\ + 384 \\ \hline \end{array}$	$\begin{array}{r} 546 \\ + 247 \\ \hline \end{array}$	$\begin{array}{r} 426 \\ + 457 \\ \hline \end{array}$	$\begin{array}{r} 637 \\ + 248 \\ \hline \end{array}$

a. $\begin{array}{r} \\ + \\ \hline \end{array}$	b. $\begin{array}{r} \\ + \\ \hline \end{array}$
c. $\begin{array}{r} \\ + \\ \hline \end{array}$	d. $\begin{array}{r} \\ + \\ \hline \end{array}$

5 Use the digits 3, 4, 5, 6, 7 and 8 to make two 3-digit numbers. Add the two numbers. ~~Make sure the ones need regrouping each time.~~

What other similar calculations can you make?