

Number

Lesson 1: Adding 3-digit and 2-digit numbers (1)

• Estimate and add 3-digit and 2-digit numbers

a.	+								
b.	+								
c.	+								
d.	+								
e.	+								
f.	+								

2 Look at each calculation and write an **estimate**.

- a $316 + 72 = \square$ b $483 + 19 = \square$
 c $624 + 41 = \square$ d $736 + 53 = \square$

3 Use **mental strategy** to work out the answers. **Formal Method**

- a $253 + 41 = \square$ b $342 + 35 = \square$
 c $523 + 64 = \square$ d $712 + 54 = \square$
 e $604 + 85 = \square$ f $444 + 33 = \square$

Explain your strategy for c.

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4 Use the **expanded written method** to work out the answers.

a	b	c	d
$\begin{array}{r} 634 \\ + 35 \\ \hline \end{array}$	$\begin{array}{r} 704 \\ + 73 \\ \hline \end{array}$	$\begin{array}{r} 814 \\ + 62 \\ \hline \end{array}$	$\begin{array}{r} 903 \\ + 91 \\ \hline \end{array}$

5 Use the **formal written method** to work out the answers.

a	b	c	d
$623 + 75$	$561 + 28$	$736 + 63$	$312 + 86$
$\begin{array}{r} \square \\ + \square \\ \hline \end{array}$	$\begin{array}{r} \square \\ + \square \\ \hline \end{array}$	$\begin{array}{r} \square \\ + \square \\ \hline \end{array}$	$\begin{array}{r} \square \\ + \square \\ \hline \end{array}$

6 Jin thinks that the only way to add 704 and 35 is to use the formal written method. Do you agree? Why?

Show how you would work out the answer.

7 Fill in the missing numbers in these calculations.

a	b	c
$\begin{array}{r} \square 5 \square 2 \\ + \square 4 \square \\ \hline \square 8 6 \end{array}$	$\begin{array}{r} \square \square 2 \\ + \square 3 \square \\ \hline 8 7 9 \end{array}$	$\begin{array}{r} \square \square 0 \\ + \square \square 6 \\ \hline 9 1 9 \end{array}$