

# Homework/Extension

## Step 3: Add 3-Digit and 1-Digit Numbers

### National Curriculum Objectives:

Mathematics Year 3: (3C1) [Add and subtract numbers mentally, including three-digit number and ones](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Match the number sentences to the answers where 3-digit and 1-digit numbers are added with one exchange. No use of zero as a place holder. Number sentences include Base 10 and numerals.

**Expected** Match the number sentences to the answers where 3-digit and 1-digit numbers are added with one exchange. Zero may be used as a place holder. Number sentences includes place value counters and numerals.

**Greater Depth** Complete the part whole models where 3-digit and 1-digit numbers are added. Number sentences may include zero as a place holder and use of two exchanges.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Explain whether the statement is true or false. Number sentences presented as column addition and Base 10 with number lines for support.

**Expected** Explain whether the statement is true or false. Number sentences presented as column addition and Base 10. Zero may be used as a place holder.

**Greater Depth** Explain whether the statement is true or false. Number sentences written in column addition with numbers that include zero as a place holder and use of up to two exchanges.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Explain who is correct where 3-digit and 1-digit numbers are added. Statements include Base 10 and numbers where there is one exchange and no use of zero a place holder.

**Expected** Explain who is correct where 3-digit and 1-digit numbers are added. Statements include place value counters and one exchange with numbers where zero is a place holder.

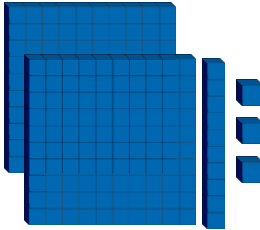
**Greater Depth** Explain who is correct where 3-digit and 1-digit numbers are added. Statements include numbers with zeros as place holders and two exchanges.

More [Year 3 Addition and Subtraction](#) resources.

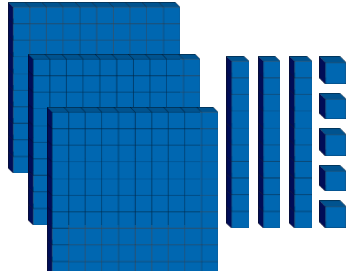
Did you like this resource? Don't forget to [review](#) it on our website.

# Add 3-Digit and 1-Digit Numbers

1. Match the statements to their answers.

A.  + 8 =

221

B.  + 9 =

344

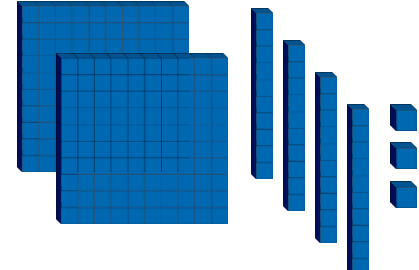


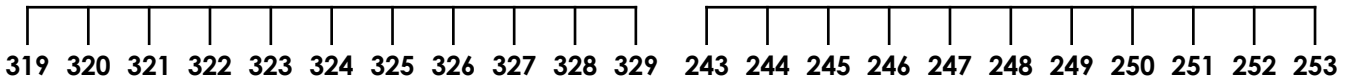
VF  
HW/Ext

2. True or false?

A.

	3	1	9
+			6
<hr/>			
	3	2	4
		1	
<hr/>			

B.  + 8 = 251

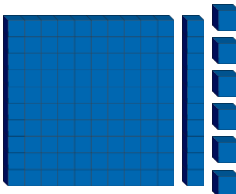


VF  
HW/Ext

3. Harry and Oliver are adding numbers.

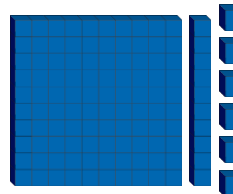


Harry

 + 5 = 122



Oliver

 + 5 = 121

Who is correct? Prove it!



RPS  
HW/Ext

# Add 3-Digit and 1-Digit Numbers

4. Match the statements to their answers.

A.

$$\begin{array}{ccc}
 100 & 100 & 1 \\
 100 & 100 & 1 \\
 & 1 & 1
 \end{array}
 + 9 =$$

B.

$$\begin{array}{cccc}
 100 & 100 & 10 & 1 \\
 100 & 100 & 10 & 1 \\
 100 & 100 & 10 & 1
 \end{array}
 + 8 =$$

641

413



VF  
HW/Ext

5. True or false?

A.

	8	5	4
+			8
<hr/>			
	8	5	2
<hr/>			
		1	

B.

$$413 + 8 = 513$$



VF  
HW/Ext

6. Camille and Hayley are adding numbers.



Camille

$$\begin{array}{cccc}
 100 & 100 & 1 & 1 & 1 & 1 \\
 100 & 100 & 1 & 1 & 1 & 1
 \end{array}
 + 7 = 415$$



Hayley

$$\begin{array}{cccc}
 100 & 100 & 1 & 1 & 1 & 1 \\
 100 & 100 & 1 & 1 & 1 & 1
 \end{array}
 + 7 = 416$$

Who is correct? Prove it!

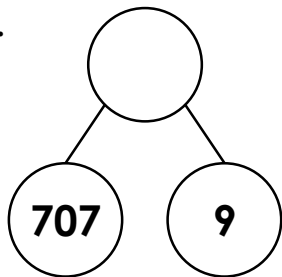


RPS  
HW/Ext

# Add 3-Digit and 1-Digit Numbers

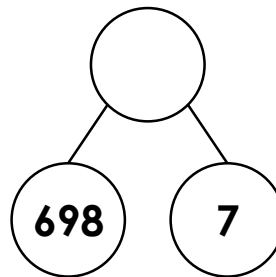
7. Complete the part whole using the answers below.

A.



705

B.



716



VF  
HW/Ext

8. True or false?

A.

	9	0	6
+			9
<hr/>			
	9	1	3
<hr/>			
		1	

B.

	4	9	8
+			5
<hr/>			
	4	0	3
<hr/>			
		1	



VF  
HW/Ext

9. Rita and Rabia are adding numbers.



Rita



Rabia

$$795 + 8 = 813$$

$$795 + 8 = 803$$

Who is correct? Prove it!



RPS  
HW/Ext

## Homework/Extension

### Add 3-Digit and 1-Digit Numbers

#### Developing

1. **A: 221; B: 344**
2. **A is false, the correct answer is 325; B is true**
3. **Oliver is correct because  $116 + 5 = 121$ , not 122.**

#### Expected

4. **A: 413; B: 641**
5. **A is false, the correct answer is 862; B is true**
6. **Camille is correct because  $408 + 7 = 415$ , not 416.**

#### Greater Depth

7. **A: 716; B: 705**
8. **A is false, the correct answer is 915; B is false, the correct answer is 503**
9. **Rabia is correct because  $795 + 8 = 803$ , not 813.**