

# Homework/Extension

## Step 9: Add 2-Digit and 1-Digit Numbers

### National Curriculum Objectives:

Mathematics Year 2: (2C1) [Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100](#)

Mathematics Year 2: (2C2a) [Add and subtract numbers mentally, including: a two-digit number and ones](#)

Mathematics Year 2: (2C2b) [Add and subtract numbers using concrete objects and pictorial representations, including: a two-digit number and ones](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Fill in missing answers on a number line by adding 2-digit numbers to any 1-digit number (with some crossing of the 10s boundary). Single digit partitions on the number line given. Using a linear format, number lines and numerals.

**Expected** Fill in missing answers on a number line by adding 2-digit numbers to any 1-digit number (crossing the 10s boundary). Single digit partitions on the number line given. Using a linear format, number lines and numerals.

**Greater Depth** Fill in the missing numbers on a number line by adding 2-digit numbers to any 1-digit number (crossing the 10s boundary). Some single digit partitions on the number line given. Using a linear format, number lines, numerals and words.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Match each pictorial to a calculation by adding 2-digit numbers to 1-digit numbers (with some crossing of the 10s boundary). Using number lines and place value charts with Base 10.

**Expected** Match each pictorial to a calculation by adding 2-digit numbers to 1-digit numbers (crossing the 10s boundary). Using column format and place value charts with counters.

**Greater Depth** Match each pictorial to a calculation by adding 2-digit numbers to 1-digit numbers (crossing the 10s boundary). Using column format and place value charts with words.

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

**Developing** Explain if a calculation is correct by adding 2-digit numbers to 1-digit numbers (with some crossing of the 10s boundary). Using number lines and place value charts with Base 10.

**Expected** Explain if a calculation is correct by adding 2-digit numbers to 1-digit numbers (crossing the 10s boundary). Using column format and place value charts with counters.

**Greater Depth** Explain if a calculation is correct by adding 2-digit numbers to 1-digit numbers (crossing the 10s boundary). Using column format and place value charts with words.

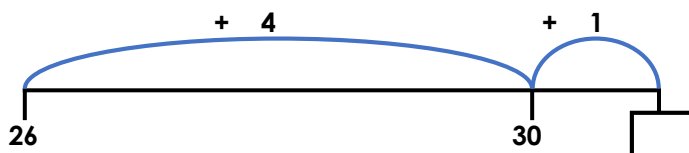
More [Year 2 Addition and Subtraction](#) resources.

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

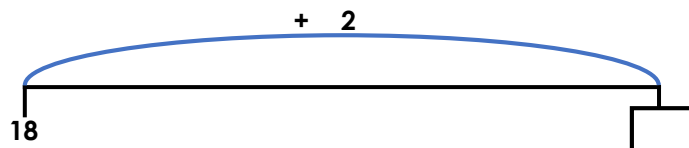
# Add 2-Digit and 1-Digit Numbers

1. Use your knowledge of number bonds to fill in the missing numbers on the number lines.

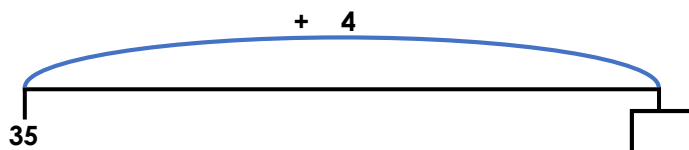
A.  $26 + 5 =$



B.  $18 + 2 =$



C.  $35 + 4 =$



VF  
HW/Ext

2. Match each picture to the number line and work out the answer.

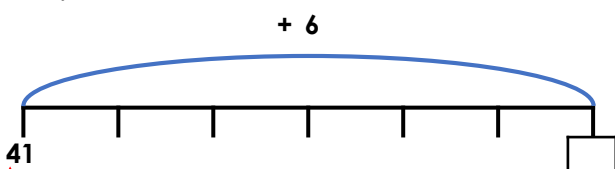
A.

Tens	Ones

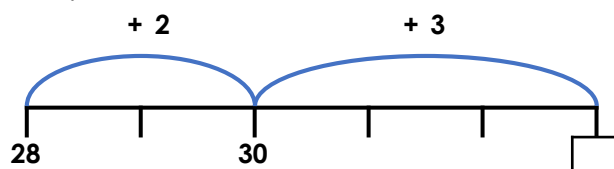
B.

Tens	Ones

1.



2.

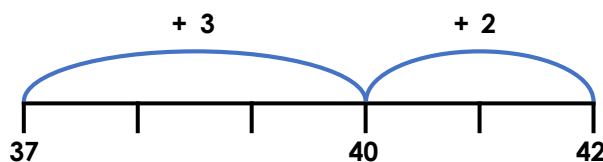


VF  
HW/Ext

3. Mark has completed a number line to match the picture below.

+

Tens	Ones



Is he correct? Explain how you know.

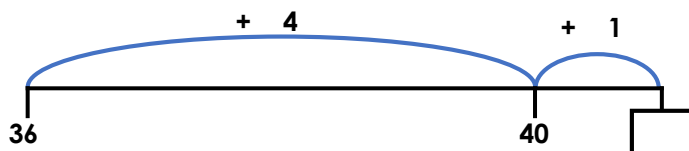


RPS  
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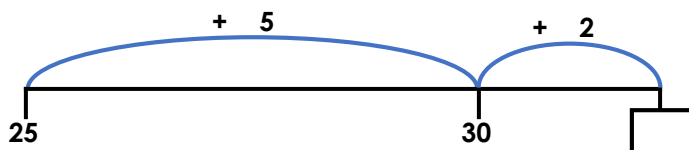
# Add 2-Digit and 1-Digit Numbers

4. Use your knowledge of number bonds to fill in the missing numbers on the number lines.

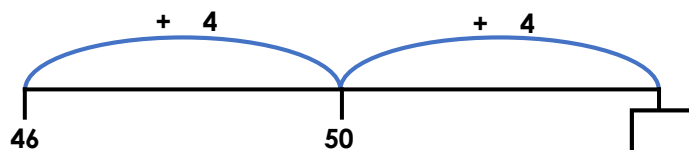
A.  $36 + 5 =$



B.  $25 + 7 =$



C.  $46 + 8 =$



VF  
HW/Ext

5. Match each picture to the correct column method and work out the answer.

A.

Tens	Ones
10 10 10 10	1 1 1 1 1 1 1
	1 1 1 1 1 1

B.

Tens	Ones
10 10	1 1 1 1 1 1
	1 1 1 1 1

C.

Tens	Ones
10 10 10 10 10 10 10	1 1
	1 1 1 1 1 1 1 1 1

	2	6
+		5

	7	2
+		9

	4	7
+		6



VF  
HW/Ext

6. Steph has written a column method to match the picture below.

Tens	Ones
10 10 10	1 1 1 1 1 1 1 1
+	1 1 1 1 1

	3	8
+	5	
	8	8



Is she correct? Explain how you know.

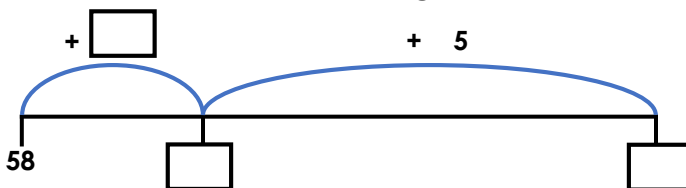


RPS  
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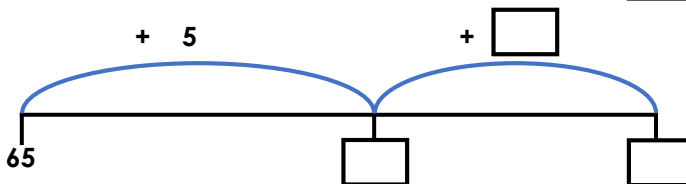
# Add 2-Digit and 1-Digit Numbers

7. Use your knowledge of number bonds to fill in the missing numbers on the number lines.

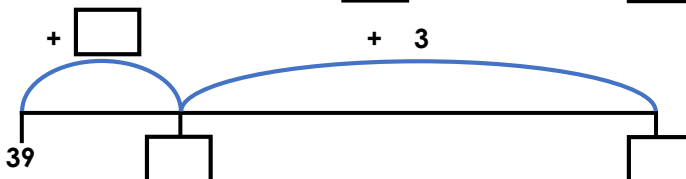
A.  $58 + \text{seven} =$



B.  $\text{sixty-five} + 9 =$



C.  $39 + \text{four} =$



VF  
HW/Ext

8. Match each picture to the correct column method and work out the answer.

A.

Tens	Ones
eight	six
	five

B.

Tens	Ones
five	nine
	seven

C.

Tens	Ones
two	seven
	eight

	5	9
+		7

	2	7
+		8

	8	6
+		5



VF  
HW/Ext

9. Blossom has written a column method to match the partitioned number below.

Tens	Ones
eight	seven
+	six

	8	7
+		6
	8	13



Is she correct? Explain how you know.



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Developing

1. A. 31; B. 20; C. 39
2. A and 2,  $28 + 5 = 33$ ; B and 1,  $41 + 6 = 47$
3. He is correct because  $37 + 5 = 42$ .

Expected

4. A. 41; B. 32; C. 54
5. A.  $47 + 6 = 53$ ; B.  $26 + 5 = 31$ ; C.  $72 + 9 = 81$
6. She is incorrect because she has put 5 in the tens column ( $38 + 5 = 43$ ).

Greater Depth

7. A. + 2, 60, 65; B. 70, + 4, 74; C. + 1, 40, 43
8. A.  $86 + 5 = 91$ ; B.  $59 + 7 = 66$ ; C.  $27 + 8 = 35$
9. She is incorrect because she has not carried the 10. She has put two digits in the ones column ( $87 + 6 = 93$ ).